TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Tel: (303)736-0100

TestAmerica Job ID: 280-99000-1
TestAmerica Sample Delivery Group: DN0174
Client Project/Site: F17-049

For:
CH2M Hill Plateau Remediation Company
PO BOX 1600, MS H8-41
Richland, Washington 99352

Attn: Mr. Scot Fitzgerald

Authorized for release by:
7/19/2017 10:20:14 AM
Jamie Ide, Project Manager I
(303)736-0126
jamie.ide@testamericainc.com

Designee for

Darlene Bandy, Project Manager I
(303)736-0100
darlene.bandy@testamericainc.com

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 280-99000-1

Laboratory: TestAmerica Denver

Narrative

CASE NARRATIVE

Client: CH2M Hill Plateau Remediation Company

Project: F17-049

Report Number: 280-99000-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

For extractable analyses, the laboratory is not able to achieve project specified QC limits for several analytes. Per CHPRC direction, data have been evaluated using laboratory statistical limits in lieu of project specified limits. All analytes met laboratory statistical limits, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 7/7/2017 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.7º C and 1.2º C.

SEMIVOLATILE ORGANIC COMPOUNDS - SELECTED ION MODE (SIM)

Samples B3BLV1 (280-99000-1), B3BLV7 (280-99000-2), B3BLV5 (280-99000-3), B3BLV9 (280-99000-4), B3BLT9 (280-99000-5), B3BLW5 (280-99000-6), B3BLW9 (280-99000-7), B3BLT7 (280-99000-8), B3BLW7 (280-99000-9), B3BLW3 (280-99000-10), B3BLT5 (280-99000-11), B3BLX1 (280-99000-12), B3BLW1 (280-99000-13) and B3BLV3 (280-99000-14) were analyzed for Semivolatile organic compounds - Selected Ion Mode (SIM) in accordance with EPA SW-846 Method 8270D SIM. The samples were prepared on 07/10/2017 and analyzed on 07/13/2017, 07/17/2017 and 07/18/2017.

Benzo[b]fluoranthene, Benzo[g,h,i]perylene and Indeno[1,2,3-cd]pyrene were detected in method blank MB 280-380236/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

2-Fluorobiphenyl, Nitrobenzene-d5 and Terphenyl-d14 failed the surrogate recovery criteria low for B3BLW3 (280-99000-10). In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Samples B3BLT9 (280-99000-5)[2X] and B3BLW3 (280-99000-10)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

ORGANOCHLORINE PESTICIDES

Samples B3BLV1 (280-99000-1), B3BLV7 (280-99000-2), B3BLV5 (280-99000-3), B3BLV9 (280-99000-4), B3BLT9 (280-99000-5), B3BLW5 (280-99000-6), B3BLW9 (280-99000-7), B3BLT7 (280-99000-8), B3BLW7 (280-99000-9), B3BLW3 (280-99000-10), B3BLT5 (280-99000-11), B3BLX1 (280-99000-12), B3BLW1 (280-99000-13) and B3BLV3 (280-99000-14) were analyzed for organochlorine pesticides in accordance with EPA SW-846 Method 8081B. The samples were prepared on 07/11/2017 and analyzed on 07/13/2017 and 07/14/2017.

Job ID: 280-99000-1 (Continued)

Laboratory: TestAmerica Denver (Continued)

Decachlorobiphenyl failed the surrogate recovery criteria high for B3BLT5 (280-99000-11). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

The Decachlorobiphenyl surrogate recovery for the following samples was outside acceptance limits (high biased) on the confirmation column due to matrix interference: B3BLW3 (280-99000-10). The recovery is within acceptance limits on the other column. The sample had numerous non-target peaks and significant baseline rise that could be interfering with the identification and quantitation of target analytes. This inference could cause false positive and/or negative results.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE PETROLEUM PRODUCTS

Samples B3BLV1 (280-99000-1), B3BLV7 (280-99000-2), B3BLV5 (280-99000-3), B3BLV9 (280-99000-4), B3BLT9 (280-99000-5), B3BLW5 (280-99000-6), B3BLW9 (280-99000-7), B3BLT7 (280-99000-8), B3BLW7 (280-99000-9), B3BLW3 (280-99000-10), B3BLT5 (280-99000-11), B3BLX1 (280-99000-12), B3BLW1 (280-99000-13) and B3BLV3 (280-99000-14) were analyzed for Semivolatile Petroleum Products in accordance with NWTPH_Dx. The samples were prepared on 07/11/2017 and analyzed on 07/13/2017 and 07/14/2017.

The Chain of Custody requests “WTPH_KEROSENE: COMMON” analysis. While TestAmerica Denver holds Washington State (WDOE) accreditation for method NWTPH-Dx, Kerosene is not on the accreditation certificate at this time. As instructed by the client, the laboratory proceeded with the requested analysis.

Diesel (C10-C28) was detected in method blank MB 280-380356/1-A at a level that was above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS (ICP)

Samples B3BLV1 (280-99000-1), B3BLV7 (280-99000-2), B3BLV5 (280-99000-3), B3BLV9 (280-99000-4), B3BLT9 (280-99000-5), B3BLW5 (280-99000-6), B3BLW9 (280-99000-7), B3BLT7 (280-99000-8), B3BLW7 (280-99000-9), B3BLW3 (280-99000-10), B3BLT5 (280-99000-11), B3BLX1 (280-99000-12), B3BLW1 (280-99000-13) and B3BLV3 (280-99000-14) were analyzed for Total Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 07/11/2017 and analyzed on 07/11/2017 and 07/12/2017.

Barium was detected in method blank MB 280-380208/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Antimony failed the recovery criteria low for the MS/MSD of sample B3BLV9 (280-99000-4). The associated LCS was in control; therefore, corrective action was not performed. Additionally, Manganese could not be reliably calculated because the concentrations were present above the instrument calibration range.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL MERCURY (CVAA)

Samples B3BLV1 (280-99000-1), B3BLV7 (280-99000-2), B3BLV5 (280-99000-3), B3BLV9 (280-99000-4), B3BLT9 (280-99000-5), B3BLW5 (280-99000-6), B3BLW9 (280-99000-7), B3BLT7 (280-99000-8), B3BLW7 (280-99000-9), B3BLW3 (280-99000-10), B3BLT5 (280-99000-11), B3BLX1 (280-99000-12), B3BLW1 (280-99000-13) and B3BLV3 (280-99000-14) were analyzed for total mercury (CVAA) in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 07/11/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS

Samples B3BLV1 (280-99000-1), B3BLV7 (280-99000-2), B3BLV5 (280-99000-3), B3BLV9 (280-99000-4), B3BLT9 (280-99000-5), B3BLW5 (280-99000-6), B3BLW9 (280-99000-7), B3BLT7 (280-99000-8), B3BLW7 (280-99000-9), B3BLW3 (280-99000-10), B3BLT5

Job ID: 280-99000-1 (Continued)

Laboratory: TestAmerica Denver (Continued)

(280-99000-11), B3BLX1 (280-99000-12), B3BLW1 (280-99000-13) and B3BLV3 (280-99000-14) were analyzed for percent solids in accordance with ASTM D2216-90. The samples were analyzed on 07/07/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

We certify that this data package is in compliance with the SOW, both technically and for completeness, including a full description of, explanation of, and corrective actions for, any and all deviations, from either the analyses requested or the case narrative requested. Release of the data contained in this hard copy data package has been authorized by the Laboratory Analytical Manager or designee and the laboratory's client services representative as verified by their signature on this report.

Reviewed and approved:

Jamie Ide
Project Manager

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST 68185			F17-049-035	PAGE 1 OF 2
COLLECTOR Frank Hall /CHPRC DA0174	COMPANY CONTACT SUMNER, LC	TELEPHONE NO. 376-3922	PROJECT COORDINATOR SUMNER, LC	PRICE CODE C01	DATA TURNAROUND
SAMPLING LOCATION 100-K-103, U1_Sample Area 2 EX2-3	PROJECT DESIGNATION 100-K-103 & 100-K-79:9 Verification Sampling - Soil		SAF NO. F17-049	AIR QUALITY ☐	12 Days / 12 Days
ICE CHEST NO. GLOS-674	FIELD LOGBOOK NO. ~~HNF-N-~~ 507-38	ACTUAL SAMPLE DEPTH 0-6"	COA 304306	METHOD OF SHIPMENT FEDERAL EXPRESS	ORIGINAL
SHIPPED TO TestAmerica Denver	OFFSITE PROPERTY NO. 8149		BILL OF LADING/AIR BILL NO. 7795 6788 8544		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.

SPECIAL HANDLING AND/OR STORAGE
N/A

PRESERVATION	Cool <=6C	Cool <=6C	Cool <=6C
HOLDING TIME	14/40 Days	14/40 Days	28 Days
TYPE OF CONTAINER	aG	G	G
NO. OF CONTAINER(S)	1	1	1
VOLUME	250mL	250mL	250mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	SEE ITEM (3) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B3BLV1	SOIL	JUL 0 6 2017	0730	✓	✓	✓

280-99000 Chain of Custody

1,2,2,7 + 0'0 Id #) transfered by JT 7/7/17

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM Frank Hall /CHPRC	DATE/TIME JUL 0 6 2017 0935	RECEIVED BY/STORED IN Lesly Wall /CHPRC	DATE/TIME JUL 0 6 2017 0935	SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM Lesly Wall /CHPRC	DATE/TIME JUL 0 6 2017 1400	RECEIVED BY/STORED IN FEDEX	DATE/TIME	
RELINQUISHED BY/REMOVED FROM FedEx	DATE/TIME	RECEIVED BY/STORED IN Josh True	DATE/TIME 7/7/17 0920	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

PRINTED ON 6/22/2017 FSR ID = FSR47240 TRVL NUM = TRVL-17-173 A-6003-618 (REV 2)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F17-049-035	PAGE 2 OF 2
COLLECTOR Frank Hall /CHPRC DN0174	COMPANY CONTACT SUMNER, LC	TELEPHONE NO. 376-3922	PROJECT COORDINATOR SUMNER, LC	PRICE CODE C01	DATA TURNAROUND
SAMPLING LOCATION 100-K-103, U1_Sample Area 2 EX2-3	PROJECT DESIGNATION 100-K-103 & 100-K-79:9 Verification Sampling - Soil		SAF NO. F17-049	AIR QUALITY ☐	12 Days / 12 Days
ICE CHEST NO. GWS-674	FIELD LOGBOOK NO. HNF-N- 50738	ACTUAL SAMPLE DEPTH 0-6"	COA 304306	METHOD OF SHIPMENT FEDERAL EXPRESS	ORIGINAL
SHIPPED TO TestAmerica Denver	OFFSITE PROPERTY NO. 8149		BILL OF LADING/AIR BILL NO. 7179 5 6788 8544		

SPECIAL INSTRUCTIONS

TRVL-17-173
(1) 8270_SVOA_GCMS_SIM: COMMON {Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene}; 8081_PEST_GC: COMMON {4,4'-DDD (Dichlorodiphenyldichloroethane), 4,4'-DDE (Dichlorodiphenyldichloroethylene), 4,4'-DDT (Dichlorodiphenyltrichloroethane), Aldrin, Alpha-BHC, beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC), Delta-BHC, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin aldehyde, Gamma-BHC (Lindane), Heptachlor epoxide, Methoxychlor, Toxaphene};
(2) WTPH_DIESEL: COMMON {Total petroleum hydrocarbons - diesel range}; WTPH_KEROSENE: COMMON {Total petroleum hydrocarbons - kerosene range};
(3) 7471_MERCURY_CV: COMMON (SOLIDS) {Mercury}; 6010_METALS_ICP: COMMON {Antimony, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}; 6010_METALS_ICP: COMMON (Add-on) {Beryllium, Boron, Lead, Molybdenum, Selenium};

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F17-049-041	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE C01	DATA TURNAROUND
Frank Hall /CHPRC DN0174	SUMNER, LC	376-3922	SUMNER, LC	AIR QUALITY ☐	12 Days / 12 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
100-K-103, U1_Sample Area 2 EX2-5*	100-K-103 & 100-K-79:9 Verification Sampling - Soil		F17-049		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
GWS-674	HNF-N- 507-39	0-6"	304306	FEDERAL EXPRESS	**ORIGINAL**
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
TestAmerica Denver	8149		7795 6788 8544		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.

SPECIAL HANDLING AND/OR STORAGE
N/A

PRESERVATION	Cool <=6C	Cool <=6C	Cool <=6C
HOLDING TIME	14/40 Days	14/40 Days	28 Days
TYPE OF CONTAINER	aG	G	G
NO. OF CONTAINER(S)	1	1	1
VOLUME	250mL	250mL	250mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	SEE ITEM (3) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B3BLV7	SOIL	JUL 0 6 2017	0753	✓	✓	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS.
Frank Hall /CHPRC	JUL 0 6 2017 0935	Lesly Wall /CHPRC Kelly Wall	JUL 0 6 2017 0935	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
Lesly Wall /CHPRC Kelly Wall	JUL 0 6 2017 1400	FEDEX		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
~~Josh True~~ FedEx		Josh True	7/7/17 0920	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
JT 7/7/17				
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

PRINTED ON 6/22/2017 **FSR ID = FSR47243** **TRVL NUM = TRVL-17-173** A-6003-618 (REV 2)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F17-049-041	PAGE 2 OF 2
COLLECTOR Frank Hall /CHPRC DN0174	COMPANY CONTACT SUMNER, LC	TELEPHONE NO. 376-3922	PROJECT COORDINATOR SUMNER, LC	PRICE CODE C01 AIR QUALITY ☐	DATA TURNAROUND 12 Days / 12 Days
SAMPLING LOCATION 100-K-103, U1_Sample Area 2 EX2-5	PROJECT DESIGNATION 100-K-103 & 100-K-79:9 Verification Sampling - Soil		SAF NO. F17-049		
ICE CHEST NO. GWS-674	FIELD LOGBOOK NO. HNF-N-507-38	ACTUAL SAMPLE DEPTH 0-6"	COA 304306	METHOD OF SHIPMENT FEDERAL EXPRESS	ORIGINAL
SHIPPED TO TestAmerica Denver	OFFSITE PROPERTY NO. 8149		BILL OF LADING/AIR BILL NO. 7795 6788 8544		

SPECIAL INSTRUCTIONS

TRVL-17-173
(1) 8270_SVOA_GCMS_SIM: COMMON {Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene}; 8081_PEST_GC: COMMON {4,4'-DDD (Dichlorodiphenyldichloroethane), 4,4'-DDE (Dichlorodiphenyldichloroethylene), 4,4'-DDT (Dichlorodiphenyltrichloroethane), Aldrin, Alpha-BHC, beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC), Delta-BHC, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin aldehyde, Gamma-BHC (Lindane), Heptachlor epoxide, Methoxychlor, Toxaphene};
(2) WTPH_DIESEL: COMMON {Total petroleum hydrocarbons - diesel range}; WTPH_KEROSENE: COMMON {Total petroleum hydrocarbons - kerosene range};
(3) 7471_MERCURY_CV: COMMON (SOLIDS) {Mercury}; 6010_METALS_ICP: COMMON {Antimony, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}; 6010_METALS_ICP: COMMON (Add-on) {Beryllium, Boron, Lead, Molybdenum, Selenium};

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F17-049-039	PAGE 1 OF 2
COLLECTOR Frank Hall /CHPRC DN0174	COMPANY CONTACT SUMNER, LC	TELEPHONE NO. 376-3922	PROJECT COORDINATOR SUMNER, LC	PRICE CODE C01	DATA TURNAROUND
SAMPLING LOCATION 100-K-103, U1_Sample Area 2 EX2-4 - FTB	PROJECT DESIGNATION 100-K-103 & 100-K-79:9 Verification Sampling - Soil		SAF NO. F17-049	AIR QUALITY ☐	12 Days / 12 Days
ICE CHEST NO. GWS-674	FIELD LOGBOOK NO. HNF-N- 507-34	ACTUAL SAMPLE DEPTH 0-6"	COA 304306	METHOD OF SHIPMENT FEDERAL EXPRESS	ORIGINAL
SHIPPED TO TestAmerica Denver	OFFSITE PROPERTY NO. 8149			BILL OF LADING/AIR BILL NO. 7795 6788 8544	

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.

SPECIAL HANDLING AND/OR STORAGE
N/A

PRESERVATION	Cool <=6C	Cool <=6C	Cool <=6C
HOLDING TIME	14/40 Days	14/40 Days	28 Days
TYPE OF CONTAINER	aG	G	G
NO. OF CONTAINER(S)	1	1	1
VOLUME	250mL	250mL	250mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	SEE ITEM (3) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B3BLV5	SOIL	JUL 06 2017	0737	✓	✓	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM Frank Hall /CHPRC	DATE/TIME JUL 06 2017 0935	RECEIVED BY/STORED IN Lesly Wall /CHPRC	DATE/TIME JUL 06 2017 0935	SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM Lesly Wall /CHPRC	DATE/TIME JUL 06 2017 1400	RECEIVED BY/STORED IN FEDEX	DATE/TIME	
RELINQUISHED BY/REMOVED FROM FedEx	DATE/TIME	RECEIVED BY/STORED IN Josh True	DATE/TIME 7/7/17 0920	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

PRINTED ON 6/22/2017 FSR ID = FSR47242 TRVL NUM = TRVL-17-173 A-6003-618 (REV 2)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F17-049-039	PAGE 2 OF 2
COLLECTOR Frank Hall JCHPRO D N0174	COMPANY CONTACT SUMNER, LC	TELEPHONE NO. 376-3922	PROJECT COORDINATOR SUMNER, LC	PRICE CODE C01	DATA TURNAROUND
SAMPLING LOCATION 100-K-103, U1_Sample Area 2 EX2-4 - FTB	PROJECT DESIGNATION 100-K-103 & 100-K-79:9 Verification Sampling - Soil		SAF NO. F17-049	AIR QUALITY ☐	12 Days / 12 Days
ICE CHEST NO. GWS-674	FIELD LOGBOOK NO. ~~HNF-N-~~ 507-38	ACTUAL SAMPLE DEPTH 0-6"	COA 304306	METHOD OF SHIPMENT FEDERAL EXPRESS	ORIGINAL
SHIPPED TO TestAmerica Denver	OFFSITE PROPERTY NO. 8149		BILL OF LADING/AIR BILL NO. 7195 6788 8544		

SPECIAL INSTRUCTIONS

TRVL-17-173
(1) 8270_SVOA_GCMS_SIM: COMMON {Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene}; 8081_PEST_GC: COMMON {4,4'-DDD (Dichlorodiphenyldichloroethane), 4,4'-DDE (Dichlorodiphenyldichloroethylene), 4,4'-DDT (Dichlorodiphenyltrichloroethane), Aldrin, Alpha-BHC, beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC), Delta-BHC, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin aldehyde, Gamma-BHC (Lindane), Heptachlor epoxide, Methoxychlor, Toxaphene};
(2) WTPH_DIESEL: COMMON {Total petroleum hydrocarbons - diesel range}; WTPH_KEROSENE: COMMON {Total petroleum hydrocarbons - kerosene range};
(3) 7471_MERCURY_CV: COMMON (SOLIDS) {Mercury}; 6010_METALS_ICP: COMMON {Antimony, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}; 6010_METALS_ICP: COMMON (Add-on) {Beryllium, Boron, Lead, Molybdenum, Selenium};

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F17-049-043	PAGE 1 OF 2
COLLECTOR: Frank Hall /CHPRC DN0174	COMPANY CONTACT: SUMNER, LC	TELEPHONE NO.: 376-3922	PROJECT COORDINATOR: SUMNER, LC	PRICE CODE: C01	DATA TURNAROUND
SAMPLING LOCATION: 100-K-103, U1_Sample Area 2 EX2-6	PROJECT DESIGNATION: 100-K-103 & 100-K-79:9 Verification Sampling - Soil		SAF NO.: F17-049	AIR QUALITY: ☐	12 Days / 12 Days
ICE CHEST NO.: GWS-674	FIELD LOGBOOK NO.: HNF-N-507-38	ACTUAL SAMPLE DEPTH: 0-6"	COA: 304306	METHOD OF SHIPMENT: FEDERAL EXPRESS	ORIGINAL
SHIPPED TO: TestAmerica Denver	OFFSITE PROPERTY NO.: 8149		BILL OF LADING/AIR BILL NO.: 7795 6788 8544		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.

SPECIAL HANDLING AND/OR STORAGE
N/A

PRESERVATION	Cool <=6C	Cool <=6C	Cool <=6C
HOLDING TIME	14/40 Days	14/40 Days	28 Days
TYPE OF CONTAINER	aG	G	G
NO. OF CONTAINER(S)	1	1	1
VOLUME	250mL	250mL	250mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	SEE ITEM (3) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B3BLV9	SOIL	JUL 06 2017	0745	✓	✓	✓

CHAIN OF POSSESSION	DATE/TIME	SIGN/ PRINT NAMES: RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM: Frank Hall /CHPRC	JUL 06 2017 0935	Lesly Wall /CHPRC	JUL 06 2017 0935
RELINQUISHED BY/REMOVED FROM: Lesly Wall /CHPRC	JUL 06 2017 1400	FEDEX	
RELINQUISHED BY/REMOVED FROM: FedEx		Josh True	7/7/17 0920
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN	

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

PRINTED ON 6/22/2017 FSR ID = FSR47244 TRVL NUM = TRVL-17-173 A-6003-618 (REV 2)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F17-049-043	PAGE 2 OF 2
COLLECTOR Frank Hall /CHPRC DN0174	COMPANY CONTACT SUMNER, LC	TELEPHONE NO. 376-3922	PROJECT COORDINATOR SUMNER, LC	PRICE CODE C01 AIR QUALITY ☐	DATA TURNAROUND 12 Days / 12 Days
SAMPLING LOCATION 100-K-103, U1_Sample Area 2 EX2-6	PROJECT DESIGNATION 100-K-103 & 100-K-79:9 Verification Sampling - Soil		SAF NO. F17-049		
ICE CHEST NO. GWS-674	FIELD LOGBOOK NO. HNF-N- 507-38	ACTUAL SAMPLE DEPTH 0-6"	COA 304306	METHOD OF SHIPMENT FEDERAL EXPRESS	ORIGINAL
SHIPPED TO TestAmerica Denver	OFFSITE PROPERTY NO. 8149		BILL OF LADING/AIR BILL NO. 7795 6788 8544		

SPECIAL INSTRUCTIONS

TRVL-17-173
(1) 8270_SVOA_GCMS_SIM: COMMON {Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene}; 8081_PEST_GC: COMMON {4,4'-DDD (Dichlorodiphenyldichloroethane), 4,4'-DDE (Dichlorodiphenyldichloroethylene), 4,4'-DDT (Dichlorodiphenyltrichloroethane), Aldrin, Alpha-BHC, beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC), Delta-BHC, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin aldehyde, Gamma-BHC (Lindane), Heptachlor epoxide, Methoxychlor, Toxaphene};
(2) WTPH_DIESEL: COMMON {Total petroleum hydrocarbons - diesel range}; WTPH_KEROSENE: COMMON {Total petroleum hydrocarbons - kerosene range};
(3) 7471_MERCURY_CV: COMMON (SOLIDS) {Mercury}; 6010_METALS_ICP: COMMON {Antimony, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}; 6010_METALS_ICP: COMMON (Add-on) {Beryllium, Boron, Lead, Molybdenum, Selenium};

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F17-049-033	PAGE 1 OF 2
COLLECTOR Frank Hall /CHPRC ~~DN00~~ DN0174 35 7/7/17	COMPANY CONTACT SUMNER, LC	TELEPHONE NO. 376-3922	PROJECT COORDINATOR SUMNER, LC	PRICE CODE C01	DATA TURNAROUND
SAMPLING LOCATION 100-K-103, U1_Sample Area 2 EX2-2	PROJECT DESIGNATION 100-K-103 & 100-K-79:9 Verification Sampling - Soil		SAF NO. F17-049	AIR QUALITY ☐	12 Days / 12 Days
ICE CHEST NO. GWS-674	FIELD LOGBOOK NO. HNF-N-507-38	ACTUAL SAMPLE DEPTH 0-6"	COA 304306	METHOD OF SHIPMENT FEDERAL EXPRESS	ORIGINAL
SHIPPED TO TestAmerica Denver	OFFSITE PROPERTY NO. 8149		BILL OF LADING/AIR BILL NO. 7795 6788 8544		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.

SPECIAL HANDLING AND/OR STORAGE
N/A

PRESERVATION	Cool <=6C	Cool <=6C	Cool <=6C
HOLDING TIME	14/40 Days	14/40 Days	28 Days
TYPE OF CONTAINER	aG	G	G
NO. OF CONTAINER(S)	1	1	1
VOLUME	250mL	250mL	250mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	SEE ITEM (3) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B3BLT9	SOIL	JUL 0 6 2017	0738	✓	✓	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM Frank Hall /CHPRC	DATE/TIME JUL 0 6 2017 0935	RECEIVED BY/STORED IN Lesly Wall /CHPRC	DATE/TIME JUL 0 6 2017 0935	SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM Lesly Wall /CHPRC	DATE/TIME JUL 0 6 2017 1400	RECEIVED BY/STORED IN FEDEX	DATE/TIME	
RELINQUISHED BY/REMOVED FROM FedEx	DATE/TIME	RECEIVED BY/STORED IN Josh True	DATE/TIME 7/7/17 0920	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

PRINTED ON 6/22/2017 FSR ID = FSR47239 TRVL NUM = TRVL-17-173 A-6003-618 (REV 2)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F17-049-033	PAGE 2 OF 2
COLLECTOR Frank Hall /CHPRC DN0174	COMPANY CONTACT SUMNER, LC	TELEPHONE NO. 376-3922	PROJECT COORDINATOR SUMNER, LC	PRICE CODE C01	DATA TURNAROUND
SAMPLING LOCATION 100-K-103, U1_Sample Area 2 EX2-2	PROJECT DESIGNATION 100-K-103 & 100-K-79:9 Verification Sampling - Soil		SAF NO. F17-049	AIR QUALITY ☐	12 Days / 12 Days
ICE CHEST NO. GWS-674	FIELD LOGBOOK NO. HNF-N-507-38	ACTUAL SAMPLE DEPTH 0-6"	COA 304306	METHOD OF SHIPMENT FEDERAL EXPRESS	ORIGINAL
SHIPPED TO TestAmerica Denver	OFFSITE PROPERTY NO. 8149		BILL OF LADING/AIR BILL NO. 7795 6788 8544		

SPECIAL INSTRUCTIONS

TRVL-17-173
(1) 8270_SVOA_GCMS_SIM: COMMON {Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene}; 8081_PEST_GC: COMMON {4,4'-DDD (Dichlorodiphenyldichloroethane), 4,4'-DDE (Dichlorodiphenyldichloroethylene), 4,4'-DDT (Dichlorodiphenyltrichloroethane), Aldrin, Alpha-BHC, beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC), Delta-BHC, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin aldehyde, Gamma-BHC (Lindane), Heptachlor epoxide, Methoxychlor, Toxaphene};
(2) WTPH_DIESEL: COMMON {Total petroleum hydrocarbons - diesel range}; WTPH_KEROSENE: COMMON {Total petroleum hydrocarbons - kerosene range};
(3) 7471_MERCURY_CV: COMMON (SOLIDS) {Mercury}; 6010_METALS_ICP: COMMON {Antimony, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}; 6010_METALS_ICP: COMMON (Add-on) {Beryllium, Boron, Lead, Molybdenum, Selenium};

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F17-049-049	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE C01	DATA TURNAROUND
Frank Hall /CHPRC DV0174	SUMNER, LC	376-3922	SUMNER, LC	AIR QUALITY ☐	12 Days / 12 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
100-K-103, U1_Sample Area 2 EX2-9	100-K-103 & 100-K-79:9 Verification Sampling - Soil		F17-049		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
GWS-674	HNF-N- 507-38	0-6"	304306	FEDERAL EXPRESS	**ORIGINAL**
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
TestAmerica Denver	8149		7795 6788 8544		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.

SPECIAL HANDLING AND/OR STORAGE
N/A

PRESERVATION	Cool <=6C	Cool <=6C	Cool <=6C
HOLDING TIME	14/40 Days	14/40 Days	28 Days
TYPE OF CONTAINER	aG	G	G
NO. OF CONTAINER(S)	1	1	1
VOLUME	250mL	250mL	250mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	SEE ITEM (3) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B3BLW5	SOIL	JUL 0 6 2017	0807	✓	✓	✓

CHAIN OF POSSESSION	DATE/TIME	SIGN/ PRINT NAMES	DATE/TIME
RELINQUISHED BY/REMOVED FROM: Frank Hall /CHPRC	JUL 0 6 2017 0935	RECEIVED BY/STORED IN: Lesly Wall /CHPRC	JUL 0 6 2017 0935
RELINQUISHED BY/REMOVED FROM: Lesly Wall /CHPRC	JUL 0 6 2017 1400	RECEIVED BY/STORED IN: FEDEX	
RELINQUISHED BY/REMOVED FROM: FedEx		RECEIVED BY/STORED IN: Josh Trae	7/7/17 0920
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN	

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

PRINTED ON 6/22/2017 **FSR ID = FSR47247** **TRVL NUM = TRVL-17-173** A-6003-618 (REV 2)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F17-049-049	PAGE 2 OF 2
COLLECTOR Frank Hall /CHPRC DN0174	COMPANY CONTACT SUMNER, LC	TELEPHONE NO. 376-3922	PROJECT COORDINATOR SUMNER, LC	PRICE CODE C01	DATA TURNAROUND
SAMPLING LOCATION 100-K-103, U1_Sample Area 2 EX2-9	PROJECT DESIGNATION 100-K-103 & 100-K-79:9 Verification Sampling - Soil		SAF NO. F17-049	AIR QUALITY ☐	12 Days / 12 Days
ICE CHEST NO. GWS-674	FIELD LOGBOOK NO. HNF-N- 507-38	ACTUAL SAMPLE DEPTH 0-6"	COA 304306	METHOD OF SHIPMENT FEDERAL EXPRESS	ORIGINAL
SHIPPED TO TestAmerica Denver	OFFSITE PROPERTY NO. 8149		BILL OF LADING/AIR BILL NO. 7795 6788 8544		

SPECIAL INSTRUCTIONS

TRVL-17-173
(1) 8270_SVOA_GCMS_SIM: COMMON {Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene}; 8081_PEST_GC: COMMON {4,4'-DDD (Dichlorodiphenyldichloroethane), 4,4'-DDE (Dichlorodiphenyldichloroethylene), 4,4'-DDT (Dichlorodiphenyltrichloroethane), Aldrin, Alpha-BHC, beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC), Delta-BHC, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin aldehyde, Gamma-BHC (Lindane), Heptachlor epoxide, Methoxychlor, Toxaphene};
(2) WTPH_DIESEL: COMMON {Total petroleum hydrocarbons - diesel range}; WTPH_KEROSENE: COMMON {Total petroleum hydrocarbons - kerosene range};
(3) 7471_MERCURY_CV: COMMON (SOLIDS) {Mercury}; 6010_METALS_ICP: COMMON {Antimony, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}; 6010_METALS_ICP: COMMON (Add-on) {Beryllium, Boron, Lead, Molybdenum, Selenium};

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F17-049-053	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE C01	DATA TURNAROUND
Frank Hall /CHPRC DN0174	SUMNER, LC	376-3922	SUMNER, LC	AIR QUALITY ☐	12 Days / 12 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
100-K-103, U1_Sample Area 2 EX2-11	100-K-103 & 100-K-79:9 Verification Sampling - Soil		F17-049		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
GWS-6074	HNF-N-507-38	0-6"	304306	FEDERAL EXPRESS	**ORIGINAL**
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
TestAmerica Denver	8149		7795 6788 8544		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.

SPECIAL HANDLING AND/OR STORAGE
N/A

PRESERVATION	Cool <=6C	Cool <=6C	Cool <=6C
HOLDING TIME	14/40 Days	14/40 Days	28 Days
TYPE OF CONTAINER	aG	G	G
NO. OF CONTAINER(S)	1	1	1
VOLUME	250mL	250mL	250mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	SEE ITEM (3) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B3BLW9	SOIL	JUL 0 6 2017	0805	✓	✓	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS
Frank Hall /CHPRC	JUL 0 6 2017 0935	Lesty Wall /CHPRC	JUL 0 6 2017 0935	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
Lesty Wall /CHPRC	JUL 0 6 2017 1400	FEDEX		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
FedEx		Josh Tree	7/7/17 0920	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

PRINTED ON 6/22/2017 FSR ID = FSR47249 TRVL NUM = TRVL-17-173 A-6003-618 (REV 2)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F17-049-053	PAGE 2 OF 2
COLLECTOR Frank Hall /CHPRC DN0174	COMPANY CONTACT SUMNER, LC	TELEPHONE NO. 376-3922	PROJECT COORDINATOR SUMNER, LC	PRICE CODE C01	DATA TURNAROUND
SAMPLING LOCATION 100-K-103, U1_Sample Area 2 EX2-11	PROJECT DESIGNATION 100-K-103 & 100-K-79:9 Verification Sampling - Soil		SAF NO. F17-049	AIR QUALITY ☐	12 Days / 12 Days
ICE CHEST NO. GUS-674	FIELD LOGBOOK NO. HNF-N-507-38	ACTUAL SAMPLE DEPTH 0-6"	COA 304306	METHOD OF SHIPMENT FEDERAL EXPRESS	ORIGINAL
SHIPPED TO TestAmerica Denver	OFFSITE PROPERTY NO. 8149		BILL OF LADING/AIR BILL NO. 7795 6788 8544		

SPECIAL INSTRUCTIONS

TRVL-17-173
(1) 8270_SVOA_GCMS_SIM: COMMON {Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene}; 8081_PEST_GC: COMMON {4,4'-DDD (Dichlorodiphenyldichloroethane), 4,4'-DDE (Dichlorodiphenyldichloroethylene), 4,4'-DDT (Dichlorodiphenyltrichloroethane), Aldrin, Alpha-BHC, beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC), Delta-BHC, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin aldehyde, Gamma-BHC (Lindane), Heptachlor epoxide, Methoxychlor, Toxaphene};
(2) WTPH_DIESEL: COMMON {Total petroleum hydrocarbons - diesel range}; WTPH_KEROSENE: COMMON {Total petroleum hydrocarbons - kerosene range};
(3) 7471_MERCURY_CV: COMMON (SOLIDS) {Mercury}; 6010_METALS_ICP: COMMON {Antimony, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}; 6010_METALS_ICP: COMMON (Add-on) {Beryllium, Boron, Lead, Molybdenum, Selenium};

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F17-049-031	PAGE 1 OF 2
COLLECTOR Frank Hall /CHPRC DN0174	COMPANY CONTACT SUMNER, LC	TELEPHONE NO. 376-3922	PROJECT COORDINATOR SUMNER, LC	PRICE CODE C01	DATA TURNAROUND
SAMPLING LOCATION 100-K-103, U1_Sample Area 2 EX2-1 - DUP	PROJECT DESIGNATION 100-K-103 & 100-K-79:9 Verification Sampling - Soil		SAF NO. F17-049	AIR QUALITY ☐	12 Days / 12 Days
ICE CHEST NO. GOS-527	FIELD LOGBOOK NO. HNF-N-507-38	ACTUAL SAMPLE DEPTH 0-6"	COA 304306	METHOD OF SHIPMENT FEDERAL EXPRESS	ORIGINAL
SHIPPED TO TestAmerica Denver	OFFSITE PROPERTY NO. 8149		BILL OF LADING/AIR BILL NO. 7795 6788 8772		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.

SPECIAL HANDLING AND/OR STORAGE
N/A

PRESERVATION	Cool <=6C	Cool <=6C	Cool <=6C
HOLDING TIME	14/40 Days	14/40 Days	28 Days
TYPE OF CONTAINER	aG	G	G
NO. OF CONTAINER(S)	1	1	1
VOLUME	250mL	250mL	250mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	SEE ITEM (3) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B3BLT7	SOIL	JUL 0 6 2017	0725	✓	✓	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM Frank Hall /CHPRC	DATE/TIME JUL 0 6 2017 0935	RECEIVED BY/STORED IN Lesty Wall /CHPRC	DATE/TIME JUL 0 6 2017 0935	SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM Lesty Wall /CHPRC	DATE/TIME JUL 0 6 2017 1400	RECEIVED BY/STORED IN FEDEX	DATE/TIME	
RELINQUISHED BY/REMOVED FROM FedEx	DATE/TIME	RECEIVED BY/STORED IN Josh True	DATE/TIME 7/7/17 0920	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

PRINTED ON 6/22/2017 FSR ID = FSR47238 TRVL NUM = TRVL-17-173 A-6003-618 (REV 2)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F17-049-031	PAGE 2 OF 2
COLLECTOR Frank Hall /CHPRO DN0174	COMPANY CONTACT SUMNER, LC	TELEPHONE NO. 376-3922	PROJECT COORDINATOR SUMNER, LC	PRICE CODE C01	DATA TURNAROUND
SAMPLING LOCATION 100-K-103, U1_Sample Area 2 EX2-1 - DUP	PROJECT DESIGNATION 100-K-103 & 100-K-79:9 Verification Sampling - Soil		SAF NO. F17-049	AIR QUALITY ☐	12 Days / 12 Days
ICE CHEST NO. GWS-527	FIELD LOGBOOK NO. HNF-N-507-38	ACTUAL SAMPLE DEPTH 0-6"	COA 304306	METHOD OF SHIPMENT FEDERAL EXPRESS	ORIGINAL
SHIPPED TO TestAmerica Denver	OFFSITE PROPERTY NO. 8149		BILL OF LADING/AIR BILL NO. 7795 6788 8772		

SPECIAL INSTRUCTIONS

TRVL-17-173
(1) 8270_SVOA_GCMS_SIM: COMMON {Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene}; 8081_PEST_GC: COMMON {4,4'-DDD (Dichlorodiphenyldichloroethane), 4,4'-DDE (Dichlorodiphenyldichloroethylene), 4,4'-DDT (Dichlorodiphenyltrichloroethane), Aldrin, Alpha-BHC, beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC), Delta-BHC, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin aldehyde, Gamma-BHC (Lindane), Heptachlor epoxide, Methoxychlor, Toxaphene};
(2) WTPH_DIESEL: COMMON {Total petroleum hydrocarbons - diesel range}; WTPH_KEROSENE: COMMON {Total petroleum hydrocarbons - kerosene range};
(3) 7471_MERCURY_CV: COMMON (SOLIDS) {Mercury}; 6010_METALS_ICP: COMMON {Antimony, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}; 6010_METALS_ICP: COMMON (Add-on) {Beryllium, Boron, Lead, Molybdenum, Selenium};

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F17-049-051	PAGE 1 OF 2
COLLECTOR Frank Hall /CHPRC DN017	COMPANY CONTACT SUMNER, LC	TELEPHONE NO. 376-3922	PROJECT COORDINATOR SUMNER, LC	PRICE CODE C01	DATA TURNAROUND
SAMPLING LOCATION 100-K-103, U1_Sample Area 2 EX2-10	PROJECT DESIGNATION 100-K-103 & 100-K-79:9 Verification Sampling - Soil		SAF NO. F17-049	AIR QUALITY ☐	12 Days / 12 Days
ICE CHEST NO. GWS-527	FIELD LOGBOOK NO. HNF-N- 507-38	ACTUAL SAMPLE DEPTH 0-6"	COA 304306	METHOD OF SHIPMENT FEDERAL EXPRESS	ORIGINAL
SHIPPED TO TestAmerica Denver	OFFSITE PROPERTY NO. 8149		BILL OF LADING/AIR BILL NO. 7795 6788 8772		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.

SPECIAL HANDLING AND/OR STORAGE
N/A

		PRESERVATION		Cool <=6C	Cool <=6C	Cool <=6C
		HOLDING TIME		14/40 Days	14/40 Days	28 Days
		TYPE OF CONTAINER		aG	G	G
		NO. OF CONTAINER(S)		1	1	1
		VOLUME		250mL	250mL	250mL
		SAMPLE ANALYSIS		SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	SEE ITEM (3) IN SPECIAL INSTRUCTIONS
SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B3BLW7	SOIL	JUL 0 6 2017	0752	✓	✓	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM Frank Hall /CHPRC	DATE/TIME JUL 0 6 2017 0935	RECEIVED BY/STORED IN Lesly Wall /CHPRC	DATE/TIME JUL 0 6 2017 0935	SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM Lesly Wall /CHPRC	DATE/TIME JUL 0 6 2017 1400	RECEIVED BY/STORED IN FEDEX	DATE/TIME	
RELINQUISHED BY/REMOVED FROM FedEx	DATE/TIME	RECEIVED BY/STORED IN Josh True	DATE/TIME 7/7/17 0920	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

PRINTED ON 6/22/2017 FSR ID = FSR47248 TRVL NUM = TRVL-17-173 A-6003-618 (REV 2)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F17-049-051	PAGE 2 OF 2
COLLECTOR Frank Hall /CHPRC DN0174	COMPANY CONTACT SUMNER, LC	TELEPHONE NO. 376-3922	PROJECT COORDINATOR SUMNER, LC	PRICE CODE C01	DATA TURNAROUND
SAMPLING LOCATION 100-K-103, U1_Sample Area 2 EX2-10	PROJECT DESIGNATION 100-K-103 & 100-K-79:9 Verification Sampling - Soil		SAF NO. F17-049	AIR QUALITY ☐	12 Days / 12 Days
ICE CHEST NO. GWS-527	FIELD LOGBOOK NO. HNF-N- 507-38	ACTUAL SAMPLE DEPTH 0-6"	COA 304306	METHOD OF SHIPMENT FEDERAL EXPRESS	ORIGINAL
SHIPPED TO TestAmerica Denver	OFFSITE PROPERTY NO. 8149		BILL OF LADING/AIR BILL NO. 7795 6788 8772		

SPECIAL INSTRUCTIONS

TRVL-17-173
(1) 8270_SVOA_GCMS_SIM: COMMON {Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene}; 8081_PEST_GC: COMMON {4,4'-DDD (Dichlorodiphenyldichloroethane), 4,4'-DDE (Dichlorodiphenyldichloroethylene), 4,4'-DDT (Dichlorodiphenyltrichloroethane), Aldrin, Alpha-BHC, beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC), Delta-BHC, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin aldehyde, Gamma-BHC (Lindane), Heptachlor epoxide, Methoxychlor, Toxaphene};
(2) WTPH_DIESEL: COMMON {Total petroleum hydrocarbons - diesel range}; WTPH_KEROSENE: COMMON {Total petroleum hydrocarbons - kerosene range};
(3) 7471_MERCURY_CV: COMMON (SOLIDS) {Mercury}; 6010_METALS_ICP: COMMON {Antimony, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}; 6010_METALS_ICP: COMMON (Add-on) {Beryllium, Boron, Lead, Molybdenum, Selenium};

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F17-049-047	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE C01	DATA TURNAROUND
Frank Hall /CHPRC DW0174	SUMNER, LC	376-3922	SUMNER, LC	AIR QUALITY ☐	12 Days / 12 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
100-K-103, U1_Sample Area 2 EX2-8	100-K-103 & 100-K-79:9 Verification Sampling - Soil		F17-049		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
GWS-527	HNF-N- 507-38	0-6"	304306	FEDERAL EXPRESS	**ORIGINAL**
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
TestAmerica Denver	8149		7795 6788 8772		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.

SPECIAL HANDLING AND/OR STORAGE
N/A

		PRESERVATION	Cool <=6C	Cool <=6C	Cool <=6C
		HOLDING TIME	14/40 Days	14/40 Days	28 Days
		TYPE OF CONTAINER	aG	G	G
		NO. OF CONTAINER(S)	1	1	1
		VOLUME	250mL	250mL	250mL
		SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	SEE ITEM (3) IN SPECIAL INSTRUCTIONS
SAMPLE NO.	**MATRIX***	**SAMPLE DATE**	**SAMPLE TIME**		
B3BLW3	SOIL	JUL 0 6 2017	0758	✓	✓	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS
Frank Hall /CHPRC	JUL 0 6 2017 0935	Lesly Wall /CHPRC	JUL 0 6 2017 0935	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
Lesly Wall /CHPRC	JUL 0 6 2017 1400	FEDEX		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
Fedex		Josh True	7/7/17 0920	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

PRINTED ON 6/22/2017 **FSR ID = FSR47246** **TRVL NUM = TRVL-17-173** A-6003-618 (REV 2)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F17-049-047	PAGE 2 OF 2
COLLECTOR Frank Hall /CHPRC DN0174	COMPANY CONTACT SUMNER, LC	TELEPHONE NO. 376-3922	PROJECT COORDINATOR SUMNER, LC	PRICE CODE C01 AIR QUALITY ☐	DATA TURNAROUND 12 Days / 12 Days
SAMPLING LOCATION 100-K-103, U1_Sample Area 2 EX2-8	PROJECT DESIGNATION 100-K-103 & 100-K-79:9 Verification Sampling - Soil		SAF NO. F17-049		
ICE CHEST NO. GWS-527	FIELD LOGBOOK NO. HNF-N- 507-38	ACTUAL SAMPLE DEPTH 0-6"	COA 304306	METHOD OF SHIPMENT FEDERAL EXPRESS	ORIGINAL
SHIPPED TO TestAmerica Denver	OFFSITE PROPERTY NO. 8149		BILL OF LADING/AIR BILL NO. 7295 6788 8772		

SPECIAL INSTRUCTIONS

TRVL-17-173
(1) 8270_SVOA_GCMS_SIM: COMMON {Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene}; 8081_PEST_GC: COMMON {4,4'-DDD (Dichlorodiphenyldichloroethane), 4,4'-DDE (Dichlorodiphenyldichloroethylene), 4,4'-DDT (Dichlorodiphenyltrichloroethane), Aldrin, Alpha-BHC, beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC), Delta-BHC, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin aldehyde, Gamma-BHC (Lindane), Heptachlor epoxide, Methoxychlor, Toxaphene};
(2) WTPH_DIESEL: COMMON {Total petroleum hydrocarbons - diesel range}; WTPH_KEROSENE: COMMON {Total petroleum hydrocarbons - kerosene range};
(3) 7471_MERCURY_CV: COMMON (SOLIDS) {Mercury}; 6010_METALS_ICP: COMMON {Antimony, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}; 6010_METALS_ICP: COMMON (Add-on) {Beryllium, Boron, Lead, Molybdenum, Selenium};

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F17-049-029	PAGE 1 OF 2
COLLECTOR: Frank Hall /CHPRC DN0174	COMPANY CONTACT: SUMNER, LC	TELEPHONE NO.: 376-3922	PROJECT COORDINATOR: SUMNER, LC	PRICE CODE: C01	DATA TURNAROUND
SAMPLING LOCATION: 100-K-103, U1_Sample Area 2 EX2-1	PROJECT DESIGNATION: 100-K-103 & 100-K-79:9 Verification Sampling - Soil		SAF NO.: F17-049	AIR QUALITY: ☐	12 Days / 12 Days
ICE CHEST NO.: GWS-527	FIELD LOGBOOK NO.: HNF-N-307-38	ACTUAL SAMPLE DEPTH: 0-6"	COA: 304306	METHOD OF SHIPMENT: FEDERAL EXPRESS	ORIGINAL
SHIPPED TO: TestAmerica Denver	OFFSITE PROPERTY NO.: 8149		BILL OF LADING/AIR BILL NO.: 7795 6788 8772		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.

SPECIAL HANDLING AND/OR STORAGE
N/A

PRESERVATION				Cool <=6C	Cool <=6C	Cool <=6C
HOLDING TIME				14/40 Days	14/40 Days	28 Days
TYPE OF CONTAINER				aG	G	G
NO. OF CONTAINER(S)				1	1	1
VOLUME				250mL	250mL	250mL
SAMPLE ANALYSIS				SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	SEE ITEM (3) IN SPECIAL INSTRUCTIONS
SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B3BLT5	SOIL	JUL 0 6 2017	0725	✓	✓	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM: Frank Hall /CHPRC	DATE/TIME: JUL 0 6 2017 0935	RECEIVED BY/STORED IN: Lesly Wall /CHPRC	DATE/TIME: JUL 0 6 2017 0935	SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM: Lesly Wall /CHPRC	DATE/TIME: JUL 0 6 2017 1400	RECEIVED BY/STORED IN: FEDEX	DATE/TIME:	
RELINQUISHED BY/REMOVED FROM: FedEx	DATE/TIME:	RECEIVED BY/STORED IN: Josh True	DATE/TIME: 7/7/17 0920	
RELINQUISHED BY/REMOVED FROM	DATE/TIME:	RECEIVED BY/STORED IN	DATE/TIME:	
RELINQUISHED BY/REMOVED FROM	DATE/TIME:	RECEIVED BY/STORED IN	DATE/TIME:	
RELINQUISHED BY/REMOVED FROM	DATE/TIME:	RECEIVED BY/STORED IN	DATE/TIME:	

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

PRINTED ON 6/22/2017 FSR ID = FSR47237 TRVL NUM = TRVL-17-173 A-6003-618 (REV 2)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F17-049-029	PAGE 2 OF 2
COLLECTOR Frank Hall /CHPRC D N0174	COMPANY CONTACT SUMNER, LC	TELEPHONE NO. 376-3922	PROJECT COORDINATOR SUMNER, LC	PRICE CODE C01 AIR QUALITY ☐	DATA TURNAROUND 12 Days / 12 Days
SAMPLING LOCATION 100-K-103, U1_Sample Area 2 EX2-1	PROJECT DESIGNATION 100-K-103 & 100-K-79:9 Verification Sampling - Soil		SAF NO. F17-049		
ICE CHEST NO. GWS-527	FIELD LOGBOOK NO. HNF-N-507-38	ACTUAL SAMPLE DEPTH 0-6"	COA 304306	METHOD OF SHIPMENT FEDERAL EXPRESS	ORIGINAL
SHIPPED TO TestAmerica Denver	OFFSITE PROPERTY NO. 8149		BILL OF LADING/AIR BILL NO. 7795 6788 8772		

SPECIAL INSTRUCTIONS

TRVL-17-173
(1) 8270_SVOA_GCMS_SIM: COMMON {Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene}; 8081_PEST_GC: COMMON {4,4'-DDD (Dichlorodiphenyldichloroethane), 4,4'-DDE (Dichlorodiphenyldichloroethylene), 4,4'-DDT (Dichlorodiphenyltrichloroethane), Aldrin, Alpha-BHC, beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC), Delta-BHC, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin aldehyde, Gamma-BHC (Lindane), Heptachlor epoxide, Methoxychlor, Toxaphene};
(2) WTPH_DIESEL: COMMON {Total petroleum hydrocarbons - diesel range}; WTPH_KEROSENE: COMMON {Total petroleum hydrocarbons - kerosene range};
(3) 7471_MERCURY_CV: COMMON (SOLIDS) {Mercury}; 6010_METALS_ICP: COMMON {Antimony, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}; 6010_METALS_ICP: COMMON (Add-on) {Beryllium, Boron, Lead, Molybdenum, Selenium};

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F17-049-055	PAGE 1 OF 2
COLLECTOR Frank Hall /CHPRC DN0174	COMPANY CONTACT SUMNER, LC	TELEPHONE NO. 376-3922	PROJECT COORDINATOR SUMNER, LC	PRICE CODE C01	DATA TURNAROUND
SAMPLING LOCATION 100-K-103, U1_Sample Area 2 EX2-12	PROJECT DESIGNATION 100-K-103 & 100-K-79:9 Verification Sampling - Soil		SAF NO. F17-049	AIR QUALITY ☐	12 Days / 12 Days
ICE CHEST NO. GWS-527	FIELD LOGBOOK NO. HNF-N-507-38	ACTUAL SAMPLE DEPTH 0-6"	COA 304306	METHOD OF SHIPMENT FEDERAL EXPRESS	ORIGINAL
SHIPPED TO TestAmerica Denver 7-6-17	OFFSITE PROPERTY NO. 8149		BILL OF LADING/AIR BILL NO. 7795 6788 8772		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.

SPECIAL HANDLING AND/OR STORAGE
N/A

PRESERVATION	Cool <=6C	Cool <=6C	Cool <=6C
HOLDING TIME	14/40 Days	14/40 Days	28 Days
TYPE OF CONTAINER	aG	G	G
NO. OF CONTAINER(S)	1	1	1
VOLUME	250mL	250mL	250mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	SEE ITEM (3) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B3BLX1	SOIL	JUL 0 6 2017	0812	✓	✓	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM Frank Hall /CHPRC	DATE/TIME JUL 0 6 2017 0935	RECEIVED BY/STORED IN Lesly Wall /CHPRC	DATE/TIME JUL 0 6 2017 0935	SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM Lesly Wall /CHPRC	DATE/TIME JUL 0 6 2017 1400	RECEIVED BY/STORED IN FEDEX	DATE/TIME	
RELINQUISHED BY/REMOVED FROM FedEx	DATE/TIME	RECEIVED BY/STORED IN Josh True	DATE/TIME 7/7/17 0920	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

PRINTED ON 6/22/2017 FSR ID = FSR47250 TRVL NUM = TRVL-17-173 A-6003-618 (REV 2)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F17-049-055	PAGE 2 OF 2
COLLECTOR Frank Hall /CHPRC DN0174	COMPANY CONTACT SUMNER, LC	TELEPHONE NO. 376-3922	PROJECT COORDINATOR SUMNER, LC	PRICE CODE C01	DATA TURNAROUND
SAMPLING LOCATION 100-K-103, U1_Sample Area 2 EX2-12	PROJECT DESIGNATION 100-K-103 & 100-K-79:9 Verification Sampling - Soil		SAF NO. F17-049	AIR QUALITY ☐	12 Days / 12 Days
ICE CHEST NO. GWS-527	FIELD LOGBOOK NO. HNF-N- 5077-34	ACTUAL SAMPLE DEPTH 0-6"	COA 304306	METHOD OF SHIPMENT FEDERAL EXPRESS	ORIGINAL
SHIPPED TO TestAmerica Denver	OFFSITE PROPERTY NO. 8149		BILL OF LADING/AIR BILL NO. 7795 6788 8772		

SPECIAL INSTRUCTIONS

TRVL-17-173
(1) 8270_SVOA_GCMS_SIM: COMMON {Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene}; 8081_PEST_GC: COMMON {4,4'-DDD (Dichlorodiphenyldichloroethane), 4,4'-DDE (Dichlorodiphenyldichloroethylene), 4,4'-DDT (Dichlorodiphenyltrichloroethane), Aldrin, Alpha-BHC, beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC), Delta-BHC, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin aldehyde, Gamma-BHC (Lindane), Heptachlor epoxide, Methoxychlor, Toxaphene};
(2) WTPH_DIESEL: COMMON {Total petroleum hydrocarbons - diesel range}; WTPH_KEROSENE: COMMON {Total petroleum hydrocarbons - kerosene range};
(3) 7471_MERCURY_CV: COMMON (SOLIDS) {Mercury}; 6010_METALS_ICP: COMMON {Antimony, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}; 6010_METALS_ICP: COMMON (Add-on) {Beryllium, Boron, Lead, Molybdenum, Selenium};

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F17-049-045	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE C01	DATA TURNAROUND
Frank Hall /CHPRC DN0174	SUMNER, LC	376-3922	SUMNER, LC	AIR QUALITY ☐	12 Days / 12 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
100-K-103, U1_Sample Area 2 EX2-7	100-K-103 & 100-K-79:9 Verification Sampling - Soil		F17-049		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
GWS-527	HNF-N-507-38	0-6"	304306	FEDERAL EXPRESS	**ORIGINAL**
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
TestAmerica Denver	8149		7795 6788 8772		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.

SPECIAL HANDLING AND/OR STORAGE
N/A

PRESERVATION	Cool <=6C	Cool <=6C	Cool <=6C
HOLDING TIME	14/40 Days	14/40 Days	28 Days
TYPE OF CONTAINER	aG	G	G
NO. OF CONTAINER(S)	1	1	1
VOLUME	250mL	250mL	250mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	SEE ITEM (3) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B3BLW1	SOIL	JUL 06 2017	09:59	✓	✓	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS
Frank Hall /CHPRC	JUL 06 2017 0935	Lesly Wall /CHPRC	JUL 06 2017 0935	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
Lesly Wall /CHPRC	JUL 06 2017 1400	FEDEX		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
FedEx		Josh True	7/7/17 0920	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

PRINTED ON 6/22/2017 FSR ID = FSR47245 TRVL NUM = TRVL-17-173 A-6003-618 (REV 2)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F17-049-045	PAGE 2 OF 2
COLLECTOR Frank Hall /CHPRC DN0174	COMPANY CONTACT SUMNER, LC	TELEPHONE NO. 376-3922	PROJECT COORDINATOR SUMNER, LC	PRICE CODE C01 AIR QUALITY ☐	DATA TURNAROUND 12 Days / 12 Days
SAMPLING LOCATION 100-K-103, U1_Sample Area 2 EX2-7	PROJECT DESIGNATION 100-K-103 & 100-K-79:9 Verification Sampling - Soil		SAF NO. F17-049		
ICE CHEST NO. GWS-527	FIELD LOGBOOK NO. ~~HNF-N~~ 507-36	ACTUAL SAMPLE DEPTH 0-6"	COA 304306	METHOD OF SHIPMENT FEDERAL EXPRESS	ORIGINAL
SHIPPED TO TestAmerica Denver	OFFSITE PROPERTY NO. 8149		BILL OF LADING/AIR BILL NO. 7795 6788 8772		

SPECIAL INSTRUCTIONS

TRVL-17-173
(1) 8270_SVOA_GCMS_SIM: COMMON {Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene}; 8081_PEST_GC: COMMON {4,4'-DDD (Dichlorodiphenyldichloroethane), 4,4'-DDE (Dichlorodiphenyldichloroethylene), 4,4'-DDT (Dichlorodiphenyltrichloroethane), Aldrin, Alpha-BHC, beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC), Delta-BHC, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin aldehyde, Gamma-BHC (Lindane), Heptachlor epoxide, Methoxychlor, Toxaphene};
(2) WTPH_DIESEL: COMMON {Total petroleum hydrocarbons - diesel range}; WTPH_KEROSENE: COMMON {Total petroleum hydrocarbons - kerosene range};
(3) 7471_MERCURY_CV: COMMON (SOLIDS) {Mercury}; 6010_METALS_ICP: COMMON {Antimony, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}; 6010_METALS_ICP: COMMON (Add-on) {Beryllium, Boron, Lead, Molybdenum, Selenium};

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST 7116S	F17-049-037	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE C01	DATA TURNAROUND
Frank Hall /CHPRC DN0174	SUMNER, LC	376-3922	SUMNER, LC	AIR QUALITY ☐	12 Days / 12 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
100-K-103, U1_Sample Area 2 EX2-4	100-K-103 & 100-K-79:9 Verification Sampling - Soil		F17-049		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
GWS-527	HNF-N-507-38	0-8"	304306	FEDERAL EXPRESS	**ORIGINAL**
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
TestAmerica Denver	8149		7795 6788 8772		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.

SPECIAL HANDLING AND/OR STORAGE
N/A

PRESERVATION	Cool <=6C	Cool <=6C	Cool <=6C
HOLDING TIME	14/40 Days	14/40 Days	28 Days
TYPE OF CONTAINER	aG	G	G
NO. OF CONTAINER(S)	1	1	1
VOLUME	250mL	250mL	250mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	SEE ITEM (3) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B3BLV3	SOIL	JUL 0 6 2017	0740	✓	✓	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS
Frank Hall /CHPRC	JUL 0 6 2017 0935	Lesty Wall /CHPRC	JUL 0 6 2017 0935	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
Lesty Wall /CHPRC	JUL 0 6 2017 1400	FEDEX		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
FedEx		Josh True	7/7/17 0920	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

PRINTED ON 6/22/2017 FSR ID = FSR47241 TRVL NUM = TRVL-17-173 A-6003-618 (REV 2)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F17-049-037	PAGE 2 OF 2
COLLECTOR Frank Hall /CHPRC 0N0174	COMPANY CONTACT SUMNER, LC	TELEPHONE NO. 376-3922	PROJECT COORDINATOR SUMNER, LC	PRICE CODE C01 AIR QUALITY ☐	DATA TURNAROUND 12 Days / 12 Days
SAMPLING LOCATION 100-K-103, U1_Sample Area 2 EX2-4	PROJECT DESIGNATION 100-K-103 & 100-K-79:9 Verification Sampling - Soil		SAF NO. F17-049		
ICE CHEST NO. GWS-527	FIELD LOGBOOK NO. HNF-N-507-38	ACTUAL SAMPLE DEPTH 0-6"	COA 304306	METHOD OF SHIPMENT FEDERAL EXPRESS	ORIGINAL
SHIPPED TO TestAmerica Denver	OFFSITE PROPERTY NO. 8149		BILL OF LADING/AIR BILL NO. 7795 6788 8772		

SPECIAL INSTRUCTIONS

TRVL-17-173
(1) 8270_SVOA_GCMS_SIM: COMMON {Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene}; 8081_PEST_GC: COMMON {4,4'-DDD (Dichlorodiphenyldichloroethane), 4,4'-DDE (Dichlorodiphenyldichloroethylene), 4,4'-DDT (Dichlorodiphenyltrichloroethane), Aldrin, Alpha-BHC, beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC), Delta-BHC, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin aldehyde, Gamma-BHC (Lindane), Heptachlor epoxide, Methoxychlor, Toxaphene};
(2) WTPH_DIESEL: COMMON {Total petroleum hydrocarbons - diesel range}; WTPH_KEROSENE: COMMON {Total petroleum hydrocarbons - kerosene range};
(3) 7471_MERCURY_CV: COMMON (SOLIDS) {Mercury}; 6010_METALS_ICP: COMMON {Antimony, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}; 6010_METALS_ICP: COMMON (Add-on) {Beryllium, Boron, Lead, Molybdenum, Selenium};

Definitions/Glossary

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
X	See case narrative notes for explanation of the 'X' flag
B	Analyte was found in the associated method blank as well as in the sample.

GC Semi VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.
B	Analyte was found in the associated method blank as well as in the sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	See case narrative notes for explanation of the 'X' flag

Metals

Qualifier	Qualifier Description
N	Recovery exceeds upper or lower control limits
U	Analyzed for but not detected.
B	Estimated result. Result is less than the RL, but greater than MDL
C	The analyte was detected in both the sample and the associated QC blank, and the sample concentration was </= 5X the blank concentration.
X	See case narrative notes for explanation of the 'X' flag

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method	Method Description	Protocol	Laboratory
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL DEN
8081B	Organochlorine Pesticides (GC)	SW846	TAL DEN
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL DEN
6010C	Metals (ICP)	SW846	TAL DEN
7471B	Mercury (CVAA)	SW846	TAL DEN
D 2216	Percent Moisture	ASTM	TAL DEN

Protocol References:

ASTM = ASTM International

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-99000-1	B3BLV1	Soil	07/06/17 07:30	07/07/17 09:20
280-99000-2	B3BLV7	Soil	07/06/17 07:53	07/07/17 09:20
280-99000-3	B3BLV5	Soil	07/06/17 07:37	07/07/17 09:20
280-99000-4	B3BLV9	Soil	07/06/17 07:45	07/07/17 09:20
280-99000-5	B3BLT9	Soil	07/06/17 07:38	07/07/17 09:20
280-99000-6	B3BLW5	Soil	07/06/17 08:07	07/07/17 09:20
280-99000-7	B3BLW9	Soil	07/06/17 08:05	07/07/17 09:20
280-99000-8	B3BLT7	Soil	07/06/17 07:25	07/07/17 09:20
280-99000-9	B3BLW7	Soil	07/06/17 07:52	07/07/17 09:20
280-99000-10	B3BLW3	Soil	07/06/17 07:58	07/07/17 09:20
280-99000-11	B3BLT5	Soil	07/06/17 07:25	07/07/17 09:20
280-99000-12	B3BLX1	Soil	07/06/17 08:12	07/07/17 09:20
280-99000-13	B3BLW1	Soil	07/06/17 07:59	07/07/17 09:20
280-99000-14	B3BLV3	Soil	07/06/17 07:40	07/07/17 09:20

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Client Sample ID: B3BLV1 — **Lab Sample ID: 280-99000-1**
Date Collected: 07/06/17 07:30 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 97.3**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.16	U	5.1	0.16	ug/Kg	☼	07/10/17 12:16	07/13/17 22:11	1
Acenaphthylene	0.17	U	5.1	0.17	ug/Kg	☼	07/10/17 12:16	07/13/17 22:11	1
Anthracene	0.73	U	5.1	0.73	ug/Kg	☼	07/10/17 12:16	07/13/17 22:11	1
Benzo[a]anthracene	0.92	U	5.1	0.92	ug/Kg	☼	07/10/17 12:16	07/13/17 22:11	1
Benzo[a]pyrene	0.76	U	5.1	0.76	ug/Kg	☼	07/10/17 12:16	07/13/17 22:11	1
Benzo[b]fluoranthene	1.2	U	5.1	1.2	ug/Kg	☼	07/10/17 12:16	07/13/17 22:11	1
Benzo[g,h,i]perylene	1.1	U	5.1	1.1	ug/Kg	☼	07/10/17 12:16	07/13/17 22:11	1
Benzo[k]fluoranthene	1.0	U	5.1	1.0	ug/Kg	☼	07/10/17 12:16	07/13/17 22:11	1
Chrysene	1.0	U	5.1	1.0	ug/Kg	☼	07/10/17 12:16	07/13/17 22:11	1
Dibenz[a,h]anthracene	1.3	U	5.1	1.3	ug/Kg	☼	07/10/17 12:16	07/13/17 22:11	1
Fluoranthene	1.0	U	5.1	1.0	ug/Kg	☼	07/10/17 12:16	07/13/17 22:11	1
Fluorene	0.48	U	5.1	0.48	ug/Kg	☼	07/10/17 12:16	07/13/17 22:11	1
Indeno[1,2,3-cd]pyrene	1.1	U	5.1	1.1	ug/Kg	☼	07/10/17 12:16	07/13/17 22:11	1
Naphthalene	0.33	U	5.1	0.33	ug/Kg	☼	07/10/17 12:16	07/13/17 22:11	1
Phenanthrene	1.1	U	5.1	1.1	ug/Kg	☼	07/10/17 12:16	07/13/17 22:11	1
Pyrene	1.1	U	5.1	1.1	ug/Kg	☼	07/10/17 12:16	07/13/17 22:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*39 - 120*	*07/10/17 12:16*	*07/13/17 22:11*	*1*
Nitrobenzene-d5	*56*		*42 - 120*	*07/10/17 12:16*	*07/13/17 22:11*	*1*
Terphenyl-d14	*79*		*35 - 124*	*07/10/17 12:16*	*07/13/17 22:11*	*1*

Client Sample ID: B3BLV7 — **Lab Sample ID: 280-99000-2**
Date Collected: 07/06/17 07:53 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.8**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.16	U	4.9	0.16	ug/Kg	☼	07/10/17 12:16	07/13/17 23:32	1
Acenaphthylene	0.17	U	4.9	0.17	ug/Kg	☼	07/10/17 12:16	07/13/17 23:32	1
Anthracene	0.71	U	4.9	0.71	ug/Kg	☼	07/10/17 12:16	07/13/17 23:32	1
Benzo[a]anthracene	**5.4**		4.9	0.89	ug/Kg	☼	07/10/17 12:16	07/13/17 23:32	1
Benzo[a]pyrene	**4.4**	**J**	4.9	0.73	ug/Kg	☼	07/10/17 12:16	07/13/17 23:32	1
Benzo[b]fluoranthene	**6.3**	**B**	4.9	1.2	ug/Kg	☼	07/10/17 12:16	07/13/17 23:32	1
Benzo[g,h,i]perylene	**1.9**	**J B**	4.9	1.1	ug/Kg	☼	07/10/17 12:16	07/13/17 23:32	1
Benzo[k]fluoranthene	**2.9**	**J**	4.9	0.99	ug/Kg	☼	07/10/17 12:16	07/13/17 23:32	1
Chrysene	**8.3**		4.9	0.99	ug/Kg	☼	07/10/17 12:16	07/13/17 23:32	1
Dibenz[a,h]anthracene	1.3	U	4.9	1.3	ug/Kg	☼	07/10/17 12:16	07/13/17 23:32	1
Fluoranthene	**8.7**		4.9	0.99	ug/Kg	☼	07/10/17 12:16	07/13/17 23:32	1
Fluorene	0.46	U	4.9	0.46	ug/Kg	☼	07/10/17 12:16	07/13/17 23:32	1
Indeno[1,2,3-cd]pyrene	**2.2**	**J B**	4.9	1.1	ug/Kg	☼	07/10/17 12:16	07/13/17 23:32	1
Naphthalene	0.32	U	4.9	0.32	ug/Kg	☼	07/10/17 12:16	07/13/17 23:32	1
Phenanthrene	1.1	U	4.9	1.1	ug/Kg	☼	07/10/17 12:16	07/13/17 23:32	1
Pyrene	**10**		4.9	1.1	ug/Kg	☼	07/10/17 12:16	07/13/17 23:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*39 - 120*	*07/10/17 12:16*	*07/13/17 23:32*	*1*
Nitrobenzene-d5	*57*		*42 - 120*	*07/10/17 12:16*	*07/13/17 23:32*	*1*
Terphenyl-d14	*72*		*35 - 124*	*07/10/17 12:16*	*07/13/17 23:32*	*1*

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Client Sample ID: B3BLV5 — **Lab Sample ID: 280-99000-3**
Date Collected: 07/06/17 07:37 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 100.0**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.16	U	4.9	0.16	ug/Kg	☼	07/10/17 12:16	07/13/17 19:45	1
Acenaphthylene	0.17	U	4.9	0.17	ug/Kg	☼	07/10/17 12:16	07/13/17 19:45	1
Anthracene	0.71	U	4.9	0.71	ug/Kg	☼	07/10/17 12:16	07/13/17 19:45	1
Benzo[a]anthracene	0.89	U	4.9	0.89	ug/Kg	☼	07/10/17 12:16	07/13/17 19:45	1
Benzo[a]pyrene	0.73	U	4.9	0.73	ug/Kg	☼	07/10/17 12:16	07/13/17 19:45	1
Benzo[b]fluoranthene	1.2	U	4.9	1.2	ug/Kg	☼	07/10/17 12:16	07/13/17 19:45	1
Benzo[g,h,i]perylene	1.1	U	4.9	1.1	ug/Kg	☼	07/10/17 12:16	07/13/17 19:45	1
Benzo[k]fluoranthene	0.99	U	4.9	0.99	ug/Kg	☼	07/10/17 12:16	07/13/17 19:45	1
Chrysene	0.99	U	4.9	0.99	ug/Kg	☼	07/10/17 12:16	07/13/17 19:45	1
Dibenz[a,h]anthracene	1.3	U	4.9	1.3	ug/Kg	☼	07/10/17 12:16	07/13/17 19:45	1
Fluoranthene	0.99	U	4.9	0.99	ug/Kg	☼	07/10/17 12:16	07/13/17 19:45	1
Fluorene	0.46	U	4.9	0.46	ug/Kg	☼	07/10/17 12:16	07/13/17 19:45	1
Indeno[1,2,3-cd]pyrene	1.1	U	4.9	1.1	ug/Kg	☼	07/10/17 12:16	07/13/17 19:45	1
Naphthalene	0.32	U	4.9	0.32	ug/Kg	☼	07/10/17 12:16	07/13/17 19:45	1
Phenanthrene	1.1	U	4.9	1.1	ug/Kg	☼	07/10/17 12:16	07/13/17 19:45	1
Pyrene	1.1	U	4.9	1.1	ug/Kg	☼	07/10/17 12:16	07/13/17 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*39 - 120*	*07/10/17 12:16*	*07/13/17 19:45*	*1*
Nitrobenzene-d5	*88*		*42 - 120*	*07/10/17 12:16*	*07/13/17 19:45*	*1*
Terphenyl-d14	*76*		*35 - 124*	*07/10/17 12:16*	*07/13/17 19:45*	*1*

Client Sample ID: B3BLV9 — **Lab Sample ID: 280-99000-4**
Date Collected: 07/06/17 07:45 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 97.0**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.15	U	4.8	0.15	ug/Kg	☼	07/10/17 12:16	07/13/17 20:11	1
Acenaphthylene	0.16	U	4.8	0.16	ug/Kg	☼	07/10/17 12:16	07/13/17 20:11	1
Anthracene	0.69	U	4.8	0.69	ug/Kg	☼	07/10/17 12:16	07/13/17 20:11	1
Benzo[a]anthracene	0.86	U	4.8	0.86	ug/Kg	☼	07/10/17 12:16	07/13/17 20:11	1
Benzo[a]pyrene	0.71	U	4.8	0.71	ug/Kg	☼	07/10/17 12:16	07/13/17 20:11	1
Benzo[b]fluoranthene	1.2	U	4.8	1.2	ug/Kg	☼	07/10/17 12:16	07/13/17 20:11	1
Benzo[g,h,i]perylene	1.1	U	4.8	1.1	ug/Kg	☼	07/10/17 12:16	07/13/17 20:11	1
Benzo[k]fluoranthene	0.96	U	4.8	0.96	ug/Kg	☼	07/10/17 12:16	07/13/17 20:11	1
Chrysene	0.96	U	4.8	0.96	ug/Kg	☼	07/10/17 12:16	07/13/17 20:11	1
Dibenz[a,h]anthracene	1.2	U	4.8	1.2	ug/Kg	☼	07/10/17 12:16	07/13/17 20:11	1
Fluoranthene	0.96	U	4.8	0.96	ug/Kg	☼	07/10/17 12:16	07/13/17 20:11	1
Fluorene	0.45	U	4.8	0.45	ug/Kg	☼	07/10/17 12:16	07/13/17 20:11	1
Indeno[1,2,3-cd]pyrene	1.1	U	4.8	1.1	ug/Kg	☼	07/10/17 12:16	07/13/17 20:11	1
Naphthalene	0.31	U	4.8	0.31	ug/Kg	☼	07/10/17 12:16	07/13/17 20:11	1
Phenanthrene	1.1	U	4.8	1.1	ug/Kg	☼	07/10/17 12:16	07/13/17 20:11	1
Pyrene	1.1	U	4.8	1.1	ug/Kg	☼	07/10/17 12:16	07/13/17 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*39 - 120*	*07/10/17 12:16*	*07/13/17 20:11*	*1*
Nitrobenzene-d5	*67*		*42 - 120*	*07/10/17 12:16*	*07/13/17 20:11*	*1*
Terphenyl-d14	*59*		*35 - 124*	*07/10/17 12:16*	*07/13/17 20:11*	*1*

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Client Sample ID: B3BLT9 — **Lab Sample ID: 280-99000-5**
Date Collected: 07/06/17 07:38 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**4.9**	**J**	5.1	0.16	ug/Kg	☼	07/10/17 12:16	07/13/17 20:37	1
Acenaphthylene	**0.46**	**J**	5.1	0.17	ug/Kg	☼	07/10/17 12:16	07/13/17 20:37	1
Anthracene	**23**		5.1	0.73	ug/Kg	☼	07/10/17 12:16	07/13/17 20:37	1
Benzo[a]anthracene	**110**		5.1	0.91	ug/Kg	☼	07/10/17 12:16	07/13/17 20:37	1
Benzo[a]pyrene	**65**		5.1	0.75	ug/Kg	☼	07/10/17 12:16	07/13/17 20:37	1
Benzo[b]fluoranthene	**88**	**B**	5.1	1.2	ug/Kg	☼	07/10/17 12:16	07/13/17 20:37	1
Benzo[g,h,i]perylene	**27**	**B**	5.1	1.1	ug/Kg	☼	07/10/17 12:16	07/13/17 20:37	1
Benzo[k]fluoranthene	**40**		5.1	1.0	ug/Kg	☼	07/10/17 12:16	07/13/17 20:37	1
Chrysene	**150**		5.1	1.0	ug/Kg	☼	07/10/17 12:16	07/13/17 20:37	1
Dibenz[a,h]anthracene	**7.9**		5.1	1.3	ug/Kg	☼	07/10/17 12:16	07/13/17 20:37	1
Fluorene	**14**		5.1	0.47	ug/Kg	☼	07/10/17 12:16	07/13/17 20:37	1
Indeno[1,2,3-cd]pyrene	**25**	**B**	5.1	1.1	ug/Kg	☼	07/10/17 12:16	07/13/17 20:37	1
Naphthalene	0.33	U	5.1	0.33	ug/Kg	☼	07/10/17 12:16	07/13/17 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*39 - 120*	*07/10/17 12:16*	*07/13/17 20:37*	*1*
Nitrobenzene-d5	*63*		*42 - 120*	*07/10/17 12:16*	*07/13/17 20:37*	*1*
Terphenyl-d14	*62*		*35 - 124*	*07/10/17 12:16*	*07/13/17 20:37*	*1*

Client Sample ID: B3BLW5 — **Lab Sample ID: 280-99000-6**
Date Collected: 07/06/17 08:07 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.4**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.16	U	5.0	0.16	ug/Kg	☼	07/10/17 12:16	07/17/17 18:12	1
Acenaphthylene	0.17	U	5.0	0.17	ug/Kg	☼	07/10/17 12:16	07/17/17 18:12	1
Anthracene	0.72	U	5.0	0.72	ug/Kg	☼	07/10/17 12:16	07/17/17 18:12	1
Benzo[a]anthracene	**4.4**	**J**	5.0	0.90	ug/Kg	☼	07/10/17 12:16	07/17/17 18:12	1
Benzo[a]pyrene	**3.2**	**J**	5.0	0.74	ug/Kg	☼	07/10/17 12:16	07/17/17 18:12	1
Benzo[b]fluoranthene	**4.4**	**J B**	5.0	1.2	ug/Kg	☼	07/10/17 12:16	07/17/17 18:12	1
Benzo[g,h,i]perylene	**1.3**	**J B**	5.0	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 18:12	1
Benzo[k]fluoranthene	**1.6**	**J**	5.0	1.0	ug/Kg	☼	07/10/17 12:16	07/17/17 18:12	1
Chrysene	**5.6**		5.0	1.0	ug/Kg	☼	07/10/17 12:16	07/17/17 18:12	1
Dibenz[a,h]anthracene	1.3	U	5.0	1.3	ug/Kg	☼	07/10/17 12:16	07/17/17 18:12	1
Fluoranthene	**6.5**		5.0	1.0	ug/Kg	☼	07/10/17 12:16	07/17/17 18:12	1
Fluorene	0.47	U	5.0	0.47	ug/Kg	☼	07/10/17 12:16	07/17/17 18:12	1
Indeno[1,2,3-cd]pyrene	**1.2**	**J B**	5.0	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 18:12	1
Naphthalene	0.33	U	5.0	0.33	ug/Kg	☼	07/10/17 12:16	07/17/17 18:12	1
Phenanthrene	**2.5**	**J**	5.0	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 18:12	1
Pyrene	**8.1**		5.0	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*39 - 120*	*07/10/17 12:16*	*07/17/17 18:12*	*1*
Nitrobenzene-d5	*64*		*42 - 120*	*07/10/17 12:16*	*07/17/17 18:12*	*1*
Terphenyl-d14	*70*		*35 - 124*	*07/10/17 12:16*	*07/17/17 18:12*	*1*

Client Sample ID: B3BLW9 — **Lab Sample ID: 280-99000-7**
Date Collected: 07/06/17 08:05 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.5**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.16	U	4.9	0.16	ug/Kg	☼	07/10/17 12:16	07/17/17 18:38	1

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Client Sample ID: B3BLW9 — **Lab Sample ID: 280-99000-7**
Date Collected: 07/06/17 08:05 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.5**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	0.17	U	4.9	0.17	ug/Kg	☼	07/10/17 12:16	07/17/17 18:38	1
Anthracene	0.70	U	4.9	0.70	ug/Kg	☼	07/10/17 12:16	07/17/17 18:38	1
Benzo[a]anthracene	0.88	U	4.9	0.88	ug/Kg	☼	07/10/17 12:16	07/17/17 18:38	1
Benzo[a]pyrene	0.72	U	4.9	0.72	ug/Kg	☼	07/10/17 12:16	07/17/17 18:38	1
Benzo[b]fluoranthene	1.2	U	4.9	1.2	ug/Kg	☼	07/10/17 12:16	07/17/17 18:38	1
Benzo[g,h,i]perylene	1.1	U	4.9	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 18:38	1
Benzo[k]fluoranthene	0.98	U	4.9	0.98	ug/Kg	☼	07/10/17 12:16	07/17/17 18:38	1
Chrysene	**1.0**	**J**	4.9	0.98	ug/Kg	☼	07/10/17 12:16	07/17/17 18:38	1
Dibenz[a,h]anthracene	1.3	U	4.9	1.3	ug/Kg	☼	07/10/17 12:16	07/17/17 18:38	1
Fluoranthene	**1.5**	**J**	4.9	0.98	ug/Kg	☼	07/10/17 12:16	07/17/17 18:38	1
Fluorene	0.46	U	4.9	0.46	ug/Kg	☼	07/10/17 12:16	07/17/17 18:38	1
Indeno[1,2,3-cd]pyrene	1.1	U	4.9	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 18:38	1
Naphthalene	0.32	U	4.9	0.32	ug/Kg	☼	07/10/17 12:16	07/17/17 18:38	1
Phenanthrene	1.1	U	4.9	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 18:38	1
Pyrene	**1.6**	**J**	4.9	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*39 - 120*	*07/10/17 12:16*	*07/17/17 18:38*	*1*
Nitrobenzene-d5	*59*		*42 - 120*	*07/10/17 12:16*	*07/17/17 18:38*	*1*
Terphenyl-d14	*68*		*35 - 124*	*07/10/17 12:16*	*07/17/17 18:38*	*1*

Client Sample ID: B3BLT7 — **Lab Sample ID: 280-99000-8**
Date Collected: 07/06/17 07:25 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 99.1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1.2**	**J**	4.7	0.15	ug/Kg	☼	07/10/17 12:16	07/17/17 19:04	1
Acenaphthylene	0.16	U	4.7	0.16	ug/Kg	☼	07/10/17 12:16	07/17/17 19:04	1
Anthracene	**2.6**	**J**	4.7	0.67	ug/Kg	☼	07/10/17 12:16	07/17/17 19:04	1
Benzo[a]anthracene	**9.9**		4.7	0.84	ug/Kg	☼	07/10/17 12:16	07/17/17 19:04	1
Benzo[a]pyrene	**5.8**		4.7	0.69	ug/Kg	☼	07/10/17 12:16	07/17/17 19:04	1
Benzo[b]fluoranthene	**9.4**	**B**	4.7	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 19:04	1
Benzo[g,h,i]perylene	**2.3**	**J B**	4.7	1.0	ug/Kg	☼	07/10/17 12:16	07/17/17 19:04	1
Benzo[k]fluoranthene	**3.0**	**J**	4.7	0.93	ug/Kg	☼	07/10/17 12:16	07/17/17 19:04	1
Chrysene	**10**		4.7	0.93	ug/Kg	☼	07/10/17 12:16	07/17/17 19:04	1
Dibenz[a,h]anthracene	1.2	U	4.7	1.2	ug/Kg	☼	07/10/17 12:16	07/17/17 19:04	1
Fluoranthene	**22**		4.7	0.93	ug/Kg	☼	07/10/17 12:16	07/17/17 19:04	1
Fluorene	**0.87**	**J**	4.7	0.44	ug/Kg	☼	07/10/17 12:16	07/17/17 19:04	1
Indeno[1,2,3-cd]pyrene	**2.1**	**J B**	4.7	1.0	ug/Kg	☼	07/10/17 12:16	07/17/17 19:04	1
Naphthalene	0.30	U	4.7	0.30	ug/Kg	☼	07/10/17 12:16	07/17/17 19:04	1
Phenanthrene	**12**		4.7	1.0	ug/Kg	☼	07/10/17 12:16	07/17/17 19:04	1
Pyrene	**18**		4.7	1.0	ug/Kg	☼	07/10/17 12:16	07/17/17 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*39 - 120*	*07/10/17 12:16*	*07/17/17 19:04*	*1*
Nitrobenzene-d5	*62*		*42 - 120*	*07/10/17 12:16*	*07/17/17 19:04*	*1*
Terphenyl-d14	*68*		*35 - 124*	*07/10/17 12:16*	*07/17/17 19:04*	*1*

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Client Sample ID: B3BLW7 — **Lab Sample ID: 280-99000-9**
Date Collected: 07/06/17 07:52 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 99.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.15	U	4.8	0.15	ug/Kg	☼	07/10/17 12:16	07/17/17 19:30	1
Acenaphthylene	0.16	U	4.8	0.16	ug/Kg	☼	07/10/17 12:16	07/17/17 19:30	1
Anthracene	0.69	U	4.8	0.69	ug/Kg	☼	07/10/17 12:16	07/17/17 19:30	1
Benzo[a]anthracene	0.86	U	4.8	0.86	ug/Kg	☼	07/10/17 12:16	07/17/17 19:30	1
Benzo[a]pyrene	0.71	U	4.8	0.71	ug/Kg	☼	07/10/17 12:16	07/17/17 19:30	1
Benzo[b]fluoranthene	1.1	U	4.8	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 19:30	1
Benzo[g,h,i]perylene	1.0	U	4.8	1.0	ug/Kg	☼	07/10/17 12:16	07/17/17 19:30	1
Benzo[k]fluoranthene	0.95	U	4.8	0.95	ug/Kg	☼	07/10/17 12:16	07/17/17 19:30	1
Chrysene	0.95	U	4.8	0.95	ug/Kg	☼	07/10/17 12:16	07/17/17 19:30	1
Dibenz[a,h]anthracene	1.2	U	4.8	1.2	ug/Kg	☼	07/10/17 12:16	07/17/17 19:30	1
Fluoranthene	0.95	U	4.8	0.95	ug/Kg	☼	07/10/17 12:16	07/17/17 19:30	1
Fluorene	0.45	U	4.8	0.45	ug/Kg	☼	07/10/17 12:16	07/17/17 19:30	1
Indeno[1,2,3-cd]pyrene	1.0	U	4.8	1.0	ug/Kg	☼	07/10/17 12:16	07/17/17 19:30	1
Naphthalene	0.31	U	4.8	0.31	ug/Kg	☼	07/10/17 12:16	07/17/17 19:30	1
Phenanthrene	1.0	U	4.8	1.0	ug/Kg	☼	07/10/17 12:16	07/17/17 19:30	1
Pyrene	1.0	U	4.8	1.0	ug/Kg	☼	07/10/17 12:16	07/17/17 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*39 - 120*	*07/10/17 12:16*	*07/17/17 19:30*	*1*
Nitrobenzene-d5	*89*		*42 - 120*	*07/10/17 12:16*	*07/17/17 19:30*	*1*
Terphenyl-d14	*95*		*35 - 124*	*07/10/17 12:16*	*07/17/17 19:30*	*1*

Client Sample ID: B3BLW3 — **Lab Sample ID: 280-99000-10**
Date Collected: 07/06/17 07:58 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 99.2**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**24**		4.7	0.15	ug/Kg	☼	07/10/17 12:16	07/17/17 19:55	1
Acenaphthylene	**2.3**	**J**	4.7	0.16	ug/Kg	☼	07/10/17 12:16	07/17/17 19:55	1
Dibenz[a,h]anthracene	**120**		4.7	1.2	ug/Kg	☼	07/10/17 12:16	07/17/17 19:55	1
Fluorene	**41**		4.7	0.44	ug/Kg	☼	07/10/17 12:16	07/17/17 19:55	1
Naphthalene	**0.92**	**J**	4.7	0.31	ug/Kg	☼	07/10/17 12:16	07/17/17 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*39 - 120*	*07/10/17 12:16*	*07/17/17 19:55*	*1*
Nitrobenzene-d5	*67*		*42 - 120*	*07/10/17 12:16*	*07/17/17 19:55*	*1*
Terphenyl-d14	*91*		*35 - 124*	*07/10/17 12:16*	*07/17/17 19:55*	*1*

Client Sample ID: B3BLT5 — **Lab Sample ID: 280-99000-11**
Date Collected: 07/06/17 07:25 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 99.1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.16	U	5.0	0.16	ug/Kg	☼	07/10/17 12:16	07/17/17 20:21	1
Acenaphthylene	0.17	U	5.0	0.17	ug/Kg	☼	07/10/17 12:16	07/17/17 20:21	1
Anthracene	0.72	U	5.0	0.72	ug/Kg	☼	07/10/17 12:16	07/17/17 20:21	1
Benzo[a]anthracene	**2.6**	**J**	5.0	0.90	ug/Kg	☼	07/10/17 12:16	07/17/17 20:21	1
Benzo[a]pyrene	**1.6**	**J**	5.0	0.74	ug/Kg	☼	07/10/17 12:16	07/17/17 20:21	1
Benzo[b]fluoranthene	**2.5**	**J B**	5.0	1.2	ug/Kg	☼	07/10/17 12:16	07/17/17 20:21	1
Benzo[g,h,i]perylene	1.1	U	5.0	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 20:21	1
Benzo[k]fluoranthene	1.0	U	5.0	1.0	ug/Kg	☼	07/10/17 12:16	07/17/17 20:21	1
Chrysene	**3.2**	**J**	5.0	1.0	ug/Kg	☼	07/10/17 12:16	07/17/17 20:21	1

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Client Sample ID: B3BLT5 — **Lab Sample ID: 280-99000-11**
Date Collected: 07/06/17 07:25 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 99.1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]anthracene	1.3	U	5.0	1.3	ug/Kg	☼	07/10/17 12:16	07/17/17 20:21	1
Fluoranthene	**5.0**		5.0	1.0	ug/Kg	☼	07/10/17 12:16	07/17/17 20:21	1
Fluorene	0.47	U	5.0	0.47	ug/Kg	☼	07/10/17 12:16	07/17/17 20:21	1
Indeno[1,2,3-cd]pyrene	1.1	U	5.0	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 20:21	1
Naphthalene	0.33	U	5.0	0.33	ug/Kg	☼	07/10/17 12:16	07/17/17 20:21	1
Phenanthrene	**2.4**	**J**	5.0	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 20:21	1
Pyrene	**5.0**		5.0	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*50*		*39 - 120*	*07/10/17 12:16*	*07/17/17 20:21*	*1*
Nitrobenzene-d5	*52*		*42 - 120*	*07/10/17 12:16*	*07/17/17 20:21*	*1*
Terphenyl-d14	*63*		*35 - 124*	*07/10/17 12:16*	*07/17/17 20:21*	*1*

Client Sample ID: B3BLX1 — **Lab Sample ID: 280-99000-12**
Date Collected: 07/06/17 08:12 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.16	U	4.9	0.16	ug/Kg	☼	07/10/17 12:16	07/17/17 20:47	1
Acenaphthylene	0.17	U	4.9	0.17	ug/Kg	☼	07/10/17 12:16	07/17/17 20:47	1
Anthracene	0.71	U	4.9	0.71	ug/Kg	☼	07/10/17 12:16	07/17/17 20:47	1
Benzo[a]anthracene	0.89	U	4.9	0.89	ug/Kg	☼	07/10/17 12:16	07/17/17 20:47	1
Benzo[a]pyrene	**0.79**	**J**	4.9	0.73	ug/Kg	☼	07/10/17 12:16	07/17/17 20:47	1
Benzo[b]fluoranthene	**1.2**	**J B**	4.9	1.2	ug/Kg	☼	07/10/17 12:16	07/17/17 20:47	1
Benzo[g,h,i]perylene	1.1	U	4.9	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 20:47	1
Benzo[k]fluoranthene	0.99	U	4.9	0.99	ug/Kg	☼	07/10/17 12:16	07/17/17 20:47	1
Chrysene	**1.1**	**J**	4.9	0.99	ug/Kg	☼	07/10/17 12:16	07/17/17 20:47	1
Dibenz[a,h]anthracene	1.3	U	4.9	1.3	ug/Kg	☼	07/10/17 12:16	07/17/17 20:47	1
Fluoranthene	**1.2**	**J**	4.9	0.99	ug/Kg	☼	07/10/17 12:16	07/17/17 20:47	1
Fluorene	0.46	U	4.9	0.46	ug/Kg	☼	07/10/17 12:16	07/17/17 20:47	1
Indeno[1,2,3-cd]pyrene	1.1	U	4.9	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 20:47	1
Naphthalene	0.32	U	4.9	0.32	ug/Kg	☼	07/10/17 12:16	07/17/17 20:47	1
Phenanthrene	1.1	U	4.9	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 20:47	1
Pyrene	**1.2**	**J**	4.9	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*39 - 120*	*07/10/17 12:16*	*07/17/17 20:47*	*1*
Nitrobenzene-d5	*70*		*42 - 120*	*07/10/17 12:16*	*07/17/17 20:47*	*1*
Terphenyl-d14	*77*		*35 - 124*	*07/10/17 12:16*	*07/17/17 20:47*	*1*

Client Sample ID: B3BLW1 — **Lab Sample ID: 280-99000-13**
Date Collected: 07/06/17 07:59 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.16	U	4.9	0.16	ug/Kg	☼	07/10/17 12:16	07/17/17 21:13	1
Acenaphthylene	0.17	U	4.9	0.17	ug/Kg	☼	07/10/17 12:16	07/17/17 21:13	1
Anthracene	0.71	U	4.9	0.71	ug/Kg	☼	07/10/17 12:16	07/17/17 21:13	1
Benzo[a]anthracene	0.89	U	4.9	0.89	ug/Kg	☼	07/10/17 12:16	07/17/17 21:13	1
Benzo[a]pyrene	0.73	U	4.9	0.73	ug/Kg	☼	07/10/17 12:16	07/17/17 21:13	1
Benzo[b]fluoranthene	1.2	U	4.9	1.2	ug/Kg	☼	07/10/17 12:16	07/17/17 21:13	1
Benzo[g,h,i]perylene	1.1	U	4.9	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 21:13	1

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Client Sample ID: B3BLW1 — **Lab Sample ID: 280-99000-13**
Date Collected: 07/06/17 07:59 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	0.98	U	4.9	0.98	ug/Kg	☼	07/10/17 12:16	07/17/17 21:13	1
Chrysene	0.98	U	4.9	0.98	ug/Kg	☼	07/10/17 12:16	07/17/17 21:13	1
Dibenz[a,h]anthracene	1.3	U	4.9	1.3	ug/Kg	☼	07/10/17 12:16	07/17/17 21:13	1
Fluoranthene	**0.99**	**J**	4.9	0.98	ug/Kg	☼	07/10/17 12:16	07/17/17 21:13	1
Fluorene	0.46	U	4.9	0.46	ug/Kg	☼	07/10/17 12:16	07/17/17 21:13	1
Indeno[1,2,3-cd]pyrene	1.1	U	4.9	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 21:13	1
Naphthalene	0.32	U	4.9	0.32	ug/Kg	☼	07/10/17 12:16	07/17/17 21:13	1
Phenanthrene	1.1	U	4.9	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 21:13	1
Pyrene	1.1	U	4.9	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*57*		*39 - 120*	*07/10/17 12:16*	*07/17/17 21:13*	*1*
Nitrobenzene-d5	*61*		*42 - 120*	*07/10/17 12:16*	*07/17/17 21:13*	*1*
Terphenyl-d14	*71*		*35 - 124*	*07/10/17 12:16*	*07/17/17 21:13*	*1*

Client Sample ID: B3BLV3 — **Lab Sample ID: 280-99000-14**
Date Collected: 07/06/17 07:40 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 99.4**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.16	U	4.9	0.16	ug/Kg	☼	07/10/17 12:16	07/17/17 21:38	1
Acenaphthylene	0.17	U	4.9	0.17	ug/Kg	☼	07/10/17 12:16	07/17/17 21:38	1
Anthracene	0.70	U	4.9	0.70	ug/Kg	☼	07/10/17 12:16	07/17/17 21:38	1
Benzo[a]anthracene	0.88	U	4.9	0.88	ug/Kg	☼	07/10/17 12:16	07/17/17 21:38	1
Benzo[a]pyrene	0.72	U	4.9	0.72	ug/Kg	☼	07/10/17 12:16	07/17/17 21:38	1
Benzo[b]fluoranthene	1.2	U	4.9	1.2	ug/Kg	☼	07/10/17 12:16	07/17/17 21:38	1
Benzo[g,h,i]perylene	1.1	U	4.9	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 21:38	1
Benzo[k]fluoranthene	0.98	U	4.9	0.98	ug/Kg	☼	07/10/17 12:16	07/17/17 21:38	1
Chrysene	0.98	U	4.9	0.98	ug/Kg	☼	07/10/17 12:16	07/17/17 21:38	1
Dibenz[a,h]anthracene	1.3	U	4.9	1.3	ug/Kg	☼	07/10/17 12:16	07/17/17 21:38	1
Fluoranthene	0.98	U	4.9	0.98	ug/Kg	☼	07/10/17 12:16	07/17/17 21:38	1
Fluorene	0.46	U	4.9	0.46	ug/Kg	☼	07/10/17 12:16	07/17/17 21:38	1
Indeno[1,2,3-cd]pyrene	1.1	U	4.9	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 21:38	1
Naphthalene	0.32	U	4.9	0.32	ug/Kg	☼	07/10/17 12:16	07/17/17 21:38	1
Phenanthrene	1.1	U	4.9	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 21:38	1
Pyrene	1.1	U	4.9	1.1	ug/Kg	☼	07/10/17 12:16	07/17/17 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*39 - 120*	*07/10/17 12:16*	*07/17/17 21:38*	*1*
Nitrobenzene-d5	*66*		*42 - 120*	*07/10/17 12:16*	*07/17/17 21:38*	*1*
Terphenyl-d14	*84*		*35 - 124*	*07/10/17 12:16*	*07/17/17 21:38*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - DL

Client Sample ID: B3BLT9 — **Lab Sample ID: 280-99000-5**
Date Collected: 07/06/17 07:38 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**230**	**D**	10	2.0	ug/Kg	☼	07/10/17 12:16	07/17/17 17:47	2
Phenanthrene	**170**	**D**	10	2.2	ug/Kg	☼	07/10/17 12:16	07/17/17 17:47	2
Pyrene	**200**	**D**	10	2.2	ug/Kg	☼	07/10/17 12:16	07/17/17 17:47	2

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	57		39 - 120	07/10/17 12:16	07/17/17 17:47	2
Nitrobenzene-d5	54		42 - 120	07/10/17 12:16	07/17/17 17:47	2
Terphenyl-d14	71		35 - 124	07/10/17 12:16	07/17/17 17:47	2

Client Sample ID: B3BLW3 — **Lab Sample ID: 280-99000-10**
Date Collected: 07/06/17 07:58 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 99.2**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	190	D	94	14	ug/Kg	☼	07/10/17 12:16	07/18/17 15:21	20
Benzo[a]anthracene	1100	D	94	17	ug/Kg	☼	07/10/17 12:16	07/18/17 15:21	20
Benzo[a]pyrene	680	D	94	14	ug/Kg	☼	07/10/17 12:16	07/18/17 15:21	20
Benzo[b]fluoranthene	940	D B	94	23	ug/Kg	☼	07/10/17 12:16	07/18/17 15:21	20
Benzo[g,h,i]perylene	250	D B	94	21	ug/Kg	☼	07/10/17 12:16	07/18/17 15:21	20
Benzo[k]fluoranthene	340	D	94	19	ug/Kg	☼	07/10/17 12:16	07/18/17 15:21	20
Chrysene	1400	D	94	19	ug/Kg	☼	07/10/17 12:16	07/18/17 15:21	20
Fluoranthene	1900	D	94	19	ug/Kg	☼	07/10/17 12:16	07/18/17 15:21	20
Indeno[1,2,3-cd]pyrene	250	D B	94	21	ug/Kg	☼	07/10/17 12:16	07/18/17 15:21	20
Phenanthrene	840	D	94	21	ug/Kg	☼	07/10/17 12:16	07/18/17 15:21	20
Pyrene	2000	D	94	21	ug/Kg	☼	07/10/17 12:16	07/18/17 15:21	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	0	D X	39 - 120	07/10/17 12:16	07/18/17 15:21	20
Nitrobenzene-d5	0	D X	42 - 120	07/10/17 12:16	07/18/17 15:21	20
Terphenyl-d14	0	D X	35 - 124	07/10/17 12:16	07/18/17 15:21	20

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: B3BLV1 — **Lab Sample ID: 280-99000-1**
Date Collected: 07/06/17 07:30 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 97.3**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.55	U	1.7	0.55	ug/Kg	☼	07/11/17 09:40	07/13/17 23:30	1
4,4'-DDE	0.24	U	1.7	0.24	ug/Kg	☼	07/11/17 09:40	07/13/17 23:30	1
4,4'-DDT	0.60	U	1.7	0.60	ug/Kg	☼	07/11/17 09:40	07/13/17 23:30	1
Aldrin	0.25	U	1.7	0.25	ug/Kg	☼	07/11/17 09:40	07/13/17 23:30	1
alpha-BHC	0.22	U	1.7	0.22	ug/Kg	☼	07/11/17 09:40	07/13/17 23:30	1
beta-BHC	0.67	U	1.7	0.67	ug/Kg	☼	07/11/17 09:40	07/13/17 23:30	1
delta-BHC	0.41	U	1.7	0.41	ug/Kg	☼	07/11/17 09:40	07/13/17 23:30	1
Dieldrin	0.21	U	1.7	0.21	ug/Kg	☼	07/11/17 09:40	07/13/17 23:30	1
Endosulfan I	0.18	U	1.7	0.18	ug/Kg	☼	07/11/17 09:40	07/13/17 23:30	1
Endosulfan II	0.29	U	1.7	0.29	ug/Kg	☼	07/11/17 09:40	07/13/17 23:30	1
Endosulfan sulfate	0.28	U	1.7	0.28	ug/Kg	☼	07/11/17 09:40	07/13/17 23:30	1
Endrin	0.31	U	1.7	0.31	ug/Kg	☼	07/11/17 09:40	07/13/17 23:30	1
Endrin aldehyde	0.17	U	1.7	0.17	ug/Kg	☼	07/11/17 09:40	07/13/17 23:30	1
gamma-BHC (Lindane)	0.47	U	1.7	0.47	ug/Kg	☼	07/11/17 09:40	07/13/17 23:30	1
Heptachlor epoxide	0.43	U	1.7	0.43	ug/Kg	☼	07/11/17 09:40	07/13/17 23:30	1
Methoxychlor	0.45	U	3.3	0.45	ug/Kg	☼	07/11/17 09:40	07/13/17 23:30	1
Toxaphene	16	U	68	16	ug/Kg	☼	07/11/17 09:40	07/13/17 23:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Decachlorobiphenyl	99		63 - 124	07/11/17 09:40	07/13/17 23:30	1
Tetrachloro-m-xylene	95		59 - 115	07/11/17 09:40	07/13/17 23:30	1

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: B3BLV7
Date Collected: 07/06/17 07:53
Date Received: 07/07/17 09:20

Lab Sample ID: 280-99000-2
Matrix: Soil
Percent Solids: 98.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.55	U	1.7	0.55	ug/Kg	☼	07/11/17 09:40	07/13/17 23:47	1
4,4'-DDE	0.24	U	1.7	0.24	ug/Kg	☼	07/11/17 09:40	07/13/17 23:47	1
4,4'-DDT	0.60	U	1.7	0.60	ug/Kg	☼	07/11/17 09:40	07/13/17 23:47	1
Aldrin	0.25	U	1.7	0.25	ug/Kg	☼	07/11/17 09:40	07/13/17 23:47	1
alpha-BHC	0.22	U	1.7	0.22	ug/Kg	☼	07/11/17 09:40	07/13/17 23:47	1
beta-BHC	0.67	U	1.7	0.67	ug/Kg	☼	07/11/17 09:40	07/13/17 23:47	1
delta-BHC	0.41	U	1.7	0.41	ug/Kg	☼	07/11/17 09:40	07/13/17 23:47	1
Dieldrin	0.21	U	1.7	0.21	ug/Kg	☼	07/11/17 09:40	07/13/17 23:47	1
Endosulfan I	0.18	U	1.7	0.18	ug/Kg	☼	07/11/17 09:40	07/13/17 23:47	1
Endosulfan II	0.29	U	1.7	0.29	ug/Kg	☼	07/11/17 09:40	07/13/17 23:47	1
Endosulfan sulfate	0.28	U	1.7	0.28	ug/Kg	☼	07/11/17 09:40	07/13/17 23:47	1
Endrin	0.31	U	1.7	0.31	ug/Kg	☼	07/11/17 09:40	07/13/17 23:47	1
Endrin aldehyde	0.17	U	1.7	0.17	ug/Kg	☼	07/11/17 09:40	07/13/17 23:47	1
gamma-BHC (Lindane)	0.47	U	1.7	0.47	ug/Kg	☼	07/11/17 09:40	07/13/17 23:47	1
Heptachlor epoxide	0.43	U	1.7	0.43	ug/Kg	☼	07/11/17 09:40	07/13/17 23:47	1
Methoxychlor	0.46	U	3.3	0.46	ug/Kg	☼	07/11/17 09:40	07/13/17 23:47	1
Toxaphene	16	U	68	16	ug/Kg	☼	07/11/17 09:40	07/13/17 23:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Decachlorobiphenyl	*93*		*63 - 124*	*07/11/17 09:40*	*07/13/17 23:47*	*1*
Tetrachloro-m-xylene	*91*		*59 - 115*	*07/11/17 09:40*	*07/13/17 23:47*	*1*

Client Sample ID: B3BLV5
Date Collected: 07/06/17 07:37
Date Received: 07/07/17 09:20

Lab Sample ID: 280-99000-3
Matrix: Soil
Percent Solids: 100.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.50	U	1.6	0.50	ug/Kg	☼	07/11/17 09:40	07/14/17 00:39	1
4,4'-DDE	0.22	U	1.6	0.22	ug/Kg	☼	07/11/17 09:40	07/14/17 00:39	1
4,4'-DDT	0.54	U	1.6	0.54	ug/Kg	☼	07/11/17 09:40	07/14/17 00:39	1
Aldrin	0.23	U	1.6	0.23	ug/Kg	☼	07/11/17 09:40	07/14/17 00:39	1
alpha-BHC	0.20	U	1.6	0.20	ug/Kg	☼	07/11/17 09:40	07/14/17 00:39	1
beta-BHC	0.61	U	1.6	0.61	ug/Kg	☼	07/11/17 09:40	07/14/17 00:39	1
delta-BHC	0.37	U	1.6	0.37	ug/Kg	☼	07/11/17 09:40	07/14/17 00:39	1
Dieldrin	0.19	U	1.6	0.19	ug/Kg	☼	07/11/17 09:40	07/14/17 00:39	1
Endosulfan I	0.16	U	1.6	0.16	ug/Kg	☼	07/11/17 09:40	07/14/17 00:39	1
Endosulfan II	0.26	U	1.6	0.26	ug/Kg	☼	07/11/17 09:40	07/14/17 00:39	1
Endosulfan sulfate	0.25	U	1.6	0.25	ug/Kg	☼	07/11/17 09:40	07/14/17 00:39	1
Endrin	0.28	U	1.6	0.28	ug/Kg	☼	07/11/17 09:40	07/14/17 00:39	1
Endrin aldehyde	0.16	U	1.6	0.16	ug/Kg	☼	07/11/17 09:40	07/14/17 00:39	1
gamma-BHC (Lindane)	0.43	U	1.6	0.43	ug/Kg	☼	07/11/17 09:40	07/14/17 00:39	1
Heptachlor epoxide	0.39	U	1.6	0.39	ug/Kg	☼	07/11/17 09:40	07/14/17 00:39	1
Methoxychlor	0.41	U	3.0	0.41	ug/Kg	☼	07/11/17 09:40	07/14/17 00:39	1
Toxaphene	15	U	62	15	ug/Kg	☼	07/11/17 09:40	07/14/17 00:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Decachlorobiphenyl	*94*		*63 - 124*	*07/11/17 09:40*	*07/14/17 00:39*	*1*
Tetrachloro-m-xylene	*92*		*59 - 115*	*07/11/17 09:40*	*07/14/17 00:39*	*1*

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: B3BLV9 — **Lab Sample ID: 280-99000-4**
Date Collected: 07/06/17 07:45 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 97.0**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.55	U	1.7	0.55	ug/Kg	☼	07/11/17 09:40	07/14/17 00:57	1
4,4'-DDE	0.24	U	1.7	0.24	ug/Kg	☼	07/11/17 09:40	07/14/17 00:57	1
4,4'-DDT	0.60	U	1.7	0.60	ug/Kg	☼	07/11/17 09:40	07/14/17 00:57	1
Aldrin	0.25	U	1.7	0.25	ug/Kg	☼	07/11/17 09:40	07/14/17 00:57	1
alpha-BHC	0.22	U	1.7	0.22	ug/Kg	☼	07/11/17 09:40	07/14/17 00:57	1
beta-BHC	0.67	U	1.7	0.67	ug/Kg	☼	07/11/17 09:40	07/14/17 00:57	1
delta-BHC	0.41	U	1.7	0.41	ug/Kg	☼	07/11/17 09:40	07/14/17 00:57	1
Dieldrin	0.21	U	1.7	0.21	ug/Kg	☼	07/11/17 09:40	07/14/17 00:57	1
Endosulfan I	0.18	U	1.7	0.18	ug/Kg	☼	07/11/17 09:40	07/14/17 00:57	1
Endosulfan II	0.29	U	1.7	0.29	ug/Kg	☼	07/11/17 09:40	07/14/17 00:57	1
Endosulfan sulfate	0.28	U	1.7	0.28	ug/Kg	☼	07/11/17 09:40	07/14/17 00:57	1
Endrin	0.31	U	1.7	0.31	ug/Kg	☼	07/11/17 09:40	07/14/17 00:57	1
Endrin aldehyde	0.17	U	1.7	0.17	ug/Kg	☼	07/11/17 09:40	07/14/17 00:57	1
gamma-BHC (Lindane)	0.47	U	1.7	0.47	ug/Kg	☼	07/11/17 09:40	07/14/17 00:57	1
Heptachlor epoxide	0.43	U	1.7	0.43	ug/Kg	☼	07/11/17 09:40	07/14/17 00:57	1
Methoxychlor	0.45	U	3.3	0.45	ug/Kg	☼	07/11/17 09:40	07/14/17 00:57	1
Toxaphene	16	U	68	16	ug/Kg	☼	07/11/17 09:40	07/14/17 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Decachlorobiphenyl	*91*		*63 - 124*	*07/11/17 09:40*	*07/14/17 00:57*	*1*
Tetrachloro-m-xylene	*90*		*59 - 115*	*07/11/17 09:40*	*07/14/17 00:57*	*1*

Client Sample ID: B3BLT9 — **Lab Sample ID: 280-99000-5**
Date Collected: 07/06/17 07:38 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.53	U	1.7	0.53	ug/Kg	☼	07/11/17 09:40	07/14/17 01:14	1
4,4'-DDE	0.23	U	1.7	0.23	ug/Kg	☼	07/11/17 09:40	07/14/17 01:14	1
4,4'-DDT	0.58	U	1.7	0.58	ug/Kg	☼	07/11/17 09:40	07/14/17 01:14	1
Aldrin	0.25	U	1.7	0.25	ug/Kg	☼	07/11/17 09:40	07/14/17 01:14	1
alpha-BHC	0.21	U	1.7	0.21	ug/Kg	☼	07/11/17 09:40	07/14/17 01:14	1
beta-BHC	0.65	U	1.7	0.65	ug/Kg	☼	07/11/17 09:40	07/14/17 01:14	1
delta-BHC	0.39	U	1.7	0.39	ug/Kg	☼	07/11/17 09:40	07/14/17 01:14	1
Dieldrin	0.21	U	1.7	0.21	ug/Kg	☼	07/11/17 09:40	07/14/17 01:14	1
Endosulfan I	0.17	U	1.7	0.17	ug/Kg	☼	07/11/17 09:40	07/14/17 01:14	1
Endosulfan II	0.28	U	1.7	0.28	ug/Kg	☼	07/11/17 09:40	07/14/17 01:14	1
Endosulfan sulfate	0.27	U	1.7	0.27	ug/Kg	☼	07/11/17 09:40	07/14/17 01:14	1
Endrin	0.30	U	1.7	0.30	ug/Kg	☼	07/11/17 09:40	07/14/17 01:14	1
Endrin aldehyde	0.17	U	1.7	0.17	ug/Kg	☼	07/11/17 09:40	07/14/17 01:14	1
gamma-BHC (Lindane)	0.45	U	1.7	0.45	ug/Kg	☼	07/11/17 09:40	07/14/17 01:14	1
Heptachlor epoxide	0.42	U	1.7	0.42	ug/Kg	☼	07/11/17 09:40	07/14/17 01:14	1
Methoxychlor	0.44	U	3.2	0.44	ug/Kg	☼	07/11/17 09:40	07/14/17 01:14	1
Toxaphene	15	U	66	15	ug/Kg	☼	07/11/17 09:40	07/14/17 01:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Decachlorobiphenyl	*90*		*63 - 124*	*07/11/17 09:40*	*07/14/17 01:14*	*1*
Tetrachloro-m-xylene	*92*		*59 - 115*	*07/11/17 09:40*	*07/14/17 01:14*	*1*

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: B3BLW5
Date Collected: 07/06/17 08:07
Date Received: 07/07/17 09:20

Lab Sample ID: 280-99000-6
Matrix: Soil
Percent Solids: 98.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.55	U	1.7	0.55	ug/Kg	☼	07/11/17 09:40	07/14/17 01:32	1
4,4'-DDE	0.24	U	1.7	0.24	ug/Kg	☼	07/11/17 09:40	07/14/17 01:32	1
4,4'-DDT	0.60	U	1.7	0.60	ug/Kg	☼	07/11/17 09:40	07/14/17 01:32	1
Aldrin	0.25	U	1.7	0.25	ug/Kg	☼	07/11/17 09:40	07/14/17 01:32	1
alpha-BHC	0.22	U	1.7	0.22	ug/Kg	☼	07/11/17 09:40	07/14/17 01:32	1
beta-BHC	0.67	U	1.7	0.67	ug/Kg	☼	07/11/17 09:40	07/14/17 01:32	1
delta-BHC	0.41	U	1.7	0.41	ug/Kg	☼	07/11/17 09:40	07/14/17 01:32	1
Dieldrin	0.21	U	1.7	0.21	ug/Kg	☼	07/11/17 09:40	07/14/17 01:32	1
Endosulfan I	0.18	U	1.7	0.18	ug/Kg	☼	07/11/17 09:40	07/14/17 01:32	1
Endosulfan II	0.29	U	1.7	0.29	ug/Kg	☼	07/11/17 09:40	07/14/17 01:32	1
Endosulfan sulfate	0.28	U	1.7	0.28	ug/Kg	☼	07/11/17 09:40	07/14/17 01:32	1
Endrin	0.31	U	1.7	0.31	ug/Kg	☼	07/11/17 09:40	07/14/17 01:32	1
Endrin aldehyde	0.17	U	1.7	0.17	ug/Kg	☼	07/11/17 09:40	07/14/17 01:32	1
gamma-BHC (Lindane)	0.47	U	1.7	0.47	ug/Kg	☼	07/11/17 09:40	07/14/17 01:32	1
Heptachlor epoxide	0.43	U	1.7	0.43	ug/Kg	☼	07/11/17 09:40	07/14/17 01:32	1
Methoxychlor	0.46	U	3.3	0.46	ug/Kg	☼	07/11/17 09:40	07/14/17 01:32	1
Toxaphene	16	U	68	16	ug/Kg	☼	07/11/17 09:40	07/14/17 01:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Decachlorobiphenyl	*101*		*63 - 124*	*07/11/17 09:40*	*07/14/17 01:32*	*1*
Tetrachloro-m-xylene	*90*		*59 - 115*	*07/11/17 09:40*	*07/14/17 01:32*	*1*

Client Sample ID: B3BLW9
Date Collected: 07/06/17 08:05
Date Received: 07/07/17 09:20

Lab Sample ID: 280-99000-7
Matrix: Soil
Percent Solids: 98.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.55	U	1.7	0.55	ug/Kg	☼	07/11/17 09:40	07/14/17 01:49	1
4,4'-DDE	0.24	U	1.7	0.24	ug/Kg	☼	07/11/17 09:40	07/14/17 01:49	1
4,4'-DDT	0.59	U	1.7	0.59	ug/Kg	☼	07/11/17 09:40	07/14/17 01:49	1
Aldrin	0.25	U	1.7	0.25	ug/Kg	☼	07/11/17 09:40	07/14/17 01:49	1
alpha-BHC	0.21	U	1.7	0.21	ug/Kg	☼	07/11/17 09:40	07/14/17 01:49	1
beta-BHC	0.67	U	1.7	0.67	ug/Kg	☼	07/11/17 09:40	07/14/17 01:49	1
delta-BHC	0.40	U	1.7	0.40	ug/Kg	☼	07/11/17 09:40	07/14/17 01:49	1
Dieldrin	0.21	U	1.7	0.21	ug/Kg	☼	07/11/17 09:40	07/14/17 01:49	1
Endosulfan I	0.18	U	1.7	0.18	ug/Kg	☼	07/11/17 09:40	07/14/17 01:49	1
Endosulfan II	0.29	U	1.7	0.29	ug/Kg	☼	07/11/17 09:40	07/14/17 01:49	1
Endosulfan sulfate	0.28	U	1.7	0.28	ug/Kg	☼	07/11/17 09:40	07/14/17 01:49	1
Endrin	0.31	U	1.7	0.31	ug/Kg	☼	07/11/17 09:40	07/14/17 01:49	1
Endrin aldehyde	0.17	U	1.7	0.17	ug/Kg	☼	07/11/17 09:40	07/14/17 01:49	1
gamma-BHC (Lindane)	0.46	U	1.7	0.46	ug/Kg	☼	07/11/17 09:40	07/14/17 01:49	1
Heptachlor epoxide	0.43	U	1.7	0.43	ug/Kg	☼	07/11/17 09:40	07/14/17 01:49	1
Methoxychlor	0.45	U	3.3	0.45	ug/Kg	☼	07/11/17 09:40	07/14/17 01:49	1
Toxaphene	16	U	67	16	ug/Kg	☼	07/11/17 09:40	07/14/17 01:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Decachlorobiphenyl	*91*		*63 - 124*	*07/11/17 09:40*	*07/14/17 01:49*	*1*
Tetrachloro-m-xylene	*88*		*59 - 115*	*07/11/17 09:40*	*07/14/17 01:49*	*1*

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: B3BLT7
Date Collected: 07/06/17 07:25
Date Received: 07/07/17 09:20

Lab Sample ID: 280-99000-8
Matrix: Soil
Percent Solids: 99.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.55	U	1.7	0.55	ug/Kg	☼	07/11/17 09:40	07/14/17 02:07	1
4,4'-DDE	0.24	U	1.7	0.24	ug/Kg	☼	07/11/17 09:40	07/14/17 02:07	1
4,4'-DDT	0.60	U	1.7	0.60	ug/Kg	☼	07/11/17 09:40	07/14/17 02:07	1
Aldrin	0.25	U	1.7	0.25	ug/Kg	☼	07/11/17 09:40	07/14/17 02:07	1
alpha-BHC	0.22	U	1.7	0.22	ug/Kg	☼	07/11/17 09:40	07/14/17 02:07	1
beta-BHC	0.67	U	1.7	0.67	ug/Kg	☼	07/11/17 09:40	07/14/17 02:07	1
delta-BHC	0.40	U	1.7	0.40	ug/Kg	☼	07/11/17 09:40	07/14/17 02:07	1
Dieldrin	0.21	U	1.7	0.21	ug/Kg	☼	07/11/17 09:40	07/14/17 02:07	1
Endosulfan I	0.18	U	1.7	0.18	ug/Kg	☼	07/11/17 09:40	07/14/17 02:07	1
Endosulfan II	0.29	U	1.7	0.29	ug/Kg	☼	07/11/17 09:40	07/14/17 02:07	1
Endosulfan sulfate	0.28	U	1.7	0.28	ug/Kg	☼	07/11/17 09:40	07/14/17 02:07	1
Endrin	0.31	U	1.7	0.31	ug/Kg	☼	07/11/17 09:40	07/14/17 02:07	1
Endrin aldehyde	0.17	U	1.7	0.17	ug/Kg	☼	07/11/17 09:40	07/14/17 02:07	1
gamma-BHC (Lindane)	0.47	U	1.7	0.47	ug/Kg	☼	07/11/17 09:40	07/14/17 02:07	1
Heptachlor epoxide	0.43	U	1.7	0.43	ug/Kg	☼	07/11/17 09:40	07/14/17 02:07	1
Methoxychlor	0.45	U	3.3	0.45	ug/Kg	☼	07/11/17 09:40	07/14/17 02:07	1
Toxaphene	16	U	68	16	ug/Kg	☼	07/11/17 09:40	07/14/17 02:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Decachlorobiphenyl	*95*		*63 - 124*	*07/11/17 09:40*	*07/14/17 02:07*	*1*
Tetrachloro-m-xylene	*94*		*59 - 115*	*07/11/17 09:40*	*07/14/17 02:07*	*1*

Client Sample ID: B3BLW7
Date Collected: 07/06/17 07:52
Date Received: 07/07/17 09:20

Lab Sample ID: 280-99000-9
Matrix: Soil
Percent Solids: 99.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.51	U	1.6	0.51	ug/Kg	☼	07/11/17 09:40	07/14/17 02:24	1
4,4'-DDE	0.22	U	1.6	0.22	ug/Kg	☼	07/11/17 09:40	07/14/17 02:24	1
4,4'-DDT	0.55	U	1.6	0.55	ug/Kg	☼	07/11/17 09:40	07/14/17 02:24	1
Aldrin	0.23	U	1.6	0.23	ug/Kg	☼	07/11/17 09:40	07/14/17 02:24	1
alpha-BHC	0.20	U	1.6	0.20	ug/Kg	☼	07/11/17 09:40	07/14/17 02:24	1
beta-BHC	0.62	U	1.6	0.62	ug/Kg	☼	07/11/17 09:40	07/14/17 02:24	1
delta-BHC	0.37	U	1.6	0.37	ug/Kg	☼	07/11/17 09:40	07/14/17 02:24	1
Dieldrin	0.19	U	1.6	0.19	ug/Kg	☼	07/11/17 09:40	07/14/17 02:24	1
Endosulfan I	0.16	U	1.6	0.16	ug/Kg	☼	07/11/17 09:40	07/14/17 02:24	1
Endosulfan II	0.27	U	1.6	0.27	ug/Kg	☼	07/11/17 09:40	07/14/17 02:24	1
Endosulfan sulfate	0.26	U	1.6	0.26	ug/Kg	☼	07/11/17 09:40	07/14/17 02:24	1
Endrin	0.28	U	1.6	0.28	ug/Kg	☼	07/11/17 09:40	07/14/17 02:24	1
Endrin aldehyde	0.16	U	1.6	0.16	ug/Kg	☼	07/11/17 09:40	07/14/17 02:24	1
gamma-BHC (Lindane)	0.43	U	1.6	0.43	ug/Kg	☼	07/11/17 09:40	07/14/17 02:24	1
Heptachlor epoxide	0.39	U	1.6	0.39	ug/Kg	☼	07/11/17 09:40	07/14/17 02:24	1
Methoxychlor	0.42	U	3.1	0.42	ug/Kg	☼	07/11/17 09:40	07/14/17 02:24	1
Toxaphene	15	U	62	15	ug/Kg	☼	07/11/17 09:40	07/14/17 02:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Decachlorobiphenyl	*90*		*63 - 124*	*07/11/17 09:40*	*07/14/17 02:24*	*1*
Tetrachloro-m-xylene	*85*		*59 - 115*	*07/11/17 09:40*	*07/14/17 02:24*	*1*

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: B3BLW3
Date Collected: 07/06/17 07:58
Date Received: 07/07/17 09:20

Lab Sample ID: 280-99000-10
Matrix: Soil
Percent Solids: 99.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.51	U	1.6	0.51	ug/Kg	☼	07/11/17 09:40	07/14/17 02:42	1
4,4'-DDE	**0.37**	**J**	1.6	0.22	ug/Kg	☼	07/11/17 09:40	07/14/17 02:42	1
4,4'-DDT	0.56	U	1.6	0.56	ug/Kg	☼	07/11/17 09:40	07/14/17 02:42	1
Aldrin	0.24	U	1.6	0.24	ug/Kg	☼	07/11/17 09:40	07/14/17 02:42	1
alpha-BHC	0.20	U	1.6	0.20	ug/Kg	☼	07/11/17 09:40	07/14/17 02:42	1
beta-BHC	0.63	U	1.6	0.63	ug/Kg	☼	07/11/17 09:40	07/14/17 02:42	1
delta-BHC	0.38	U	1.6	0.38	ug/Kg	☼	07/11/17 09:40	07/14/17 02:42	1
Dieldrin	0.20	U	1.6	0.20	ug/Kg	☼	07/11/17 09:40	07/14/17 02:42	1
Endosulfan I	**1.9**		1.6	0.17	ug/Kg	☼	07/11/17 09:40	07/14/17 02:42	1
Endosulfan II	0.27	U	1.6	0.27	ug/Kg	☼	07/11/17 09:40	07/14/17 02:42	1
Endosulfan sulfate	0.26	U	1.6	0.26	ug/Kg	☼	07/11/17 09:40	07/14/17 02:42	1
Endrin	0.29	U	1.6	0.29	ug/Kg	☼	07/11/17 09:40	07/14/17 02:42	1
Endrin aldehyde	0.16	U	1.6	0.16	ug/Kg	☼	07/11/17 09:40	07/14/17 02:42	1
gamma-BHC (Lindane)	0.44	U	1.6	0.44	ug/Kg	☼	07/11/17 09:40	07/14/17 02:42	1
Heptachlor epoxide	0.40	U	1.6	0.40	ug/Kg	☼	07/11/17 09:40	07/14/17 02:42	1
Methoxychlor	0.42	U	3.1	0.42	ug/Kg	☼	07/11/17 09:40	07/14/17 02:42	1
Toxaphene	15	U	63	15	ug/Kg	☼	07/11/17 09:40	07/14/17 02:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Decachlorobiphenyl	*97*		*63 - 124*	*07/11/17 09:40*	*07/14/17 02:42*	*1*
Tetrachloro-m-xylene	*89*		*59 - 115*	*07/11/17 09:40*	*07/14/17 02:42*	*1*

Client Sample ID: B3BLT5
Date Collected: 07/06/17 07:25
Date Received: 07/07/17 09:20

Lab Sample ID: 280-99000-11
Matrix: Soil
Percent Solids: 99.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.54	U	1.7	0.54	ug/Kg	☼	07/11/17 09:40	07/14/17 02:59	1
4,4'-DDE	0.24	U	1.7	0.24	ug/Kg	☼	07/11/17 09:40	07/14/17 02:59	1
4,4'-DDT	0.59	U	1.7	0.59	ug/Kg	☼	07/11/17 09:40	07/14/17 02:59	1
Aldrin	0.25	U	1.7	0.25	ug/Kg	☼	07/11/17 09:40	07/14/17 02:59	1
alpha-BHC	0.21	U	1.7	0.21	ug/Kg	☼	07/11/17 09:40	07/14/17 02:59	1
beta-BHC	0.66	U	1.7	0.66	ug/Kg	☼	07/11/17 09:40	07/14/17 02:59	1
delta-BHC	0.40	U	1.7	0.40	ug/Kg	☼	07/11/17 09:40	07/14/17 02:59	1
Dieldrin	0.21	U	1.7	0.21	ug/Kg	☼	07/11/17 09:40	07/14/17 02:59	1
Endosulfan I	0.17	U	1.7	0.17	ug/Kg	☼	07/11/17 09:40	07/14/17 02:59	1
Endosulfan II	0.28	U	1.7	0.28	ug/Kg	☼	07/11/17 09:40	07/14/17 02:59	1
Endosulfan sulfate	0.27	U	1.7	0.27	ug/Kg	☼	07/11/17 09:40	07/14/17 02:59	1
Endrin	0.30	U	1.7	0.30	ug/Kg	☼	07/11/17 09:40	07/14/17 02:59	1
Endrin aldehyde	0.17	U	1.7	0.17	ug/Kg	☼	07/11/17 09:40	07/14/17 02:59	1
gamma-BHC (Lindane)	0.46	U	1.7	0.46	ug/Kg	☼	07/11/17 09:40	07/14/17 02:59	1
Heptachlor epoxide	0.42	U	1.7	0.42	ug/Kg	☼	07/11/17 09:40	07/14/17 02:59	1
Methoxychlor	0.45	U	3.3	0.45	ug/Kg	☼	07/11/17 09:40	07/14/17 02:59	1
Toxaphene	16	U	67	16	ug/Kg	☼	07/11/17 09:40	07/14/17 02:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Decachlorobiphenyl	*194*	*X*	*63 - 124*	*07/11/17 09:40*	*07/14/17 02:59*	*1*
Tetrachloro-m-xylene	*92*		*59 - 115*	*07/11/17 09:40*	*07/14/17 02:59*	*1*

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: B3BLX1 — **Lab Sample ID: 280-99000-12**
Date Collected: 07/06/17 08:12 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.54	U	1.7	0.54	ug/Kg	☼	07/11/17 09:40	07/14/17 03:16	1
4,4'-DDE	0.23	U	1.7	0.23	ug/Kg	☼	07/11/17 09:40	07/14/17 03:16	1
4,4'-DDT	0.58	U	1.7	0.58	ug/Kg	☼	07/11/17 09:40	07/14/17 03:16	1
Aldrin	0.25	U	1.7	0.25	ug/Kg	☼	07/11/17 09:40	07/14/17 03:16	1
alpha-BHC	0.21	U	1.7	0.21	ug/Kg	☼	07/11/17 09:40	07/14/17 03:16	1
beta-BHC	0.65	U	1.7	0.65	ug/Kg	☼	07/11/17 09:40	07/14/17 03:16	1
delta-BHC	0.39	U	1.7	0.39	ug/Kg	☼	07/11/17 09:40	07/14/17 03:16	1
Dieldrin	0.21	U	1.7	0.21	ug/Kg	☼	07/11/17 09:40	07/14/17 03:16	1
Endosulfan I	0.17	U	1.7	0.17	ug/Kg	☼	07/11/17 09:40	07/14/17 03:16	1
Endosulfan II	0.28	U	1.7	0.28	ug/Kg	☼	07/11/17 09:40	07/14/17 03:16	1
Endosulfan sulfate	0.27	U	1.7	0.27	ug/Kg	☼	07/11/17 09:40	07/14/17 03:16	1
Endrin	0.30	U	1.7	0.30	ug/Kg	☼	07/11/17 09:40	07/14/17 03:16	1
Endrin aldehyde	0.17	U	1.7	0.17	ug/Kg	☼	07/11/17 09:40	07/14/17 03:16	1
gamma-BHC (Lindane)	0.46	U	1.7	0.46	ug/Kg	☼	07/11/17 09:40	07/14/17 03:16	1
Heptachlor epoxide	0.42	U	1.7	0.42	ug/Kg	☼	07/11/17 09:40	07/14/17 03:16	1
Methoxychlor	0.44	U	3.2	0.44	ug/Kg	☼	07/11/17 09:40	07/14/17 03:16	1
Toxaphene	16	U	66	16	ug/Kg	☼	07/11/17 09:40	07/14/17 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Decachlorobiphenyl	*89*		*63 - 124*	*07/11/17 09:40*	*07/14/17 03:16*	*1*
Tetrachloro-m-xylene	*94*		*59 - 115*	*07/11/17 09:40*	*07/14/17 03:16*	*1*

Client Sample ID: B3BLW1 — **Lab Sample ID: 280-99000-13**
Date Collected: 07/06/17 07:59 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.54	U	1.7	0.54	ug/Kg	☼	07/11/17 09:40	07/14/17 03:34	1
4,4'-DDE	0.23	U	1.7	0.23	ug/Kg	☼	07/11/17 09:40	07/14/17 03:34	1
4,4'-DDT	0.58	U	1.7	0.58	ug/Kg	☼	07/11/17 09:40	07/14/17 03:34	1
Aldrin	0.25	U	1.7	0.25	ug/Kg	☼	07/11/17 09:40	07/14/17 03:34	1
alpha-BHC	0.21	U	1.7	0.21	ug/Kg	☼	07/11/17 09:40	07/14/17 03:34	1
beta-BHC	0.65	U	1.7	0.65	ug/Kg	☼	07/11/17 09:40	07/14/17 03:34	1
delta-BHC	0.39	U	1.7	0.39	ug/Kg	☼	07/11/17 09:40	07/14/17 03:34	1
Dieldrin	0.21	U	1.7	0.21	ug/Kg	☼	07/11/17 09:40	07/14/17 03:34	1
Endosulfan I	0.17	U	1.7	0.17	ug/Kg	☼	07/11/17 09:40	07/14/17 03:34	1
Endosulfan II	0.28	U	1.7	0.28	ug/Kg	☼	07/11/17 09:40	07/14/17 03:34	1
Endosulfan sulfate	0.27	U	1.7	0.27	ug/Kg	☼	07/11/17 09:40	07/14/17 03:34	1
Endrin	0.30	U	1.7	0.30	ug/Kg	☼	07/11/17 09:40	07/14/17 03:34	1
Endrin aldehyde	0.17	U	1.7	0.17	ug/Kg	☼	07/11/17 09:40	07/14/17 03:34	1
gamma-BHC (Lindane)	0.46	U	1.7	0.46	ug/Kg	☼	07/11/17 09:40	07/14/17 03:34	1
Heptachlor epoxide	0.42	U	1.7	0.42	ug/Kg	☼	07/11/17 09:40	07/14/17 03:34	1
Methoxychlor	0.44	U	3.2	0.44	ug/Kg	☼	07/11/17 09:40	07/14/17 03:34	1
Toxaphene	16	U	66	16	ug/Kg	☼	07/11/17 09:40	07/14/17 03:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Decachlorobiphenyl	*89*		*63 - 124*	*07/11/17 09:40*	*07/14/17 03:34*	*1*
Tetrachloro-m-xylene	*87*		*59 - 115*	*07/11/17 09:40*	*07/14/17 03:34*	*1*

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: B3BLV3 — **Lab Sample ID: 280-99000-14**
Date Collected: 07/06/17 07:40 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 99.4**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.55	U	1.7	0.55	ug/Kg	☼	07/11/17 09:40	07/14/17 03:51	1
4,4'-DDE	0.24	U	1.7	0.24	ug/Kg	☼	07/11/17 09:40	07/14/17 03:51	1
4,4'-DDT	0.59	U	1.7	0.59	ug/Kg	☼	07/11/17 09:40	07/14/17 03:51	1
Aldrin	0.25	U	1.7	0.25	ug/Kg	☼	07/11/17 09:40	07/14/17 03:51	1
alpha-BHC	0.21	U	1.7	0.21	ug/Kg	☼	07/11/17 09:40	07/14/17 03:51	1
beta-BHC	0.66	U	1.7	0.66	ug/Kg	☼	07/11/17 09:40	07/14/17 03:51	1
delta-BHC	0.40	U	1.7	0.40	ug/Kg	☼	07/11/17 09:40	07/14/17 03:51	1
Dieldrin	0.21	U	1.7	0.21	ug/Kg	☼	07/11/17 09:40	07/14/17 03:51	1
Endosulfan I	0.18	U	1.7	0.18	ug/Kg	☼	07/11/17 09:40	07/14/17 03:51	1
Endosulfan II	0.29	U	1.7	0.29	ug/Kg	☼	07/11/17 09:40	07/14/17 03:51	1
Endosulfan sulfate	0.28	U	1.7	0.28	ug/Kg	☼	07/11/17 09:40	07/14/17 03:51	1
Endrin	0.31	U	1.7	0.31	ug/Kg	☼	07/11/17 09:40	07/14/17 03:51	1
Endrin aldehyde	0.17	U	1.7	0.17	ug/Kg	☼	07/11/17 09:40	07/14/17 03:51	1
gamma-BHC (Lindane)	0.46	U	1.7	0.46	ug/Kg	☼	07/11/17 09:40	07/14/17 03:51	1
Heptachlor epoxide	0.43	U	1.7	0.43	ug/Kg	☼	07/11/17 09:40	07/14/17 03:51	1
Methoxychlor	0.45	U	3.3	0.45	ug/Kg	☼	07/11/17 09:40	07/14/17 03:51	1
Toxaphene	16	U	67	16	ug/Kg	☼	07/11/17 09:40	07/14/17 03:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Decachlorobiphenyl	*93*		*63 - 124*	*07/11/17 09:40*	*07/14/17 03:51*	*1*
Tetrachloro-m-xylene	*94*		*59 - 115*	*07/11/17 09:40*	*07/14/17 03:51*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Client Sample ID: B3BLV1 — **Lab Sample ID: 280-99000-1**
Date Collected: 07/06/17 07:30 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 97.3**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel (C10-C28)	**1800**	**J B**	4000	680	ug/Kg	☼	07/11/17 13:19	07/13/17 19:01	1
Kerosene (C8-C12)	**1200**	**J**	4000	1000	ug/Kg	☼	07/11/17 13:19	07/13/17 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*103*		*49 - 140*	*07/11/17 13:19*	*07/13/17 19:01*	*1*

Client Sample ID: B3BLV7 — **Lab Sample ID: 280-99000-2**
Date Collected: 07/06/17 07:53 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.8**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel (C10-C28)	**1500**	**J B**	4000	690	ug/Kg	☼	07/11/17 13:19	07/13/17 19:26	1
Kerosene (C8-C12)	**1500**	**J**	4000	1000	ug/Kg	☼	07/11/17 13:19	07/13/17 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*104*		*49 - 140*	*07/11/17 13:19*	*07/13/17 19:26*	*1*

Client Sample ID: B3BLV5 — **Lab Sample ID: 280-99000-3**
Date Collected: 07/06/17 07:37 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 100.0**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel (C10-C28)	**3500**	**J B**	3900	660	ug/Kg	☼	07/11/17 13:19	07/13/17 19:51	1
Kerosene (C8-C12)	**3600**	**J**	3900	970	ug/Kg	☼	07/11/17 13:19	07/13/17 19:51	1

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	101		49 - 140	07/11/17 13:19	07/13/17 19:51	1

Client Sample ID: B3BLV9 — **Lab Sample ID: 280-99000-4**
Date Collected: 07/06/17 07:45 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 97.0**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel (C10-C28)	1500	J B	4100	690	ug/Kg	☼	07/11/17 13:19	07/13/17 21:53	1
Kerosene (C8-C12)	1600	J	4100	1000	ug/Kg	☼	07/11/17 13:19	07/13/17 21:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	97		49 - 140	07/11/17 13:19	07/13/17 21:53	1

Client Sample ID: B3BLT9 — **Lab Sample ID: 280-99000-5**
Date Collected: 07/06/17 07:38 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel (C10-C28)	6400	B	3900	660	ug/Kg	☼	07/11/17 13:19	07/13/17 23:07	1
Kerosene (C8-C12)	3800	J	3900	970	ug/Kg	☼	07/11/17 13:19	07/13/17 23:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	103		49 - 140	07/11/17 13:19	07/13/17 23:07	1

Client Sample ID: B3BLW5 — **Lab Sample ID: 280-99000-6**
Date Collected: 07/06/17 08:07 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.4**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel (C10-C28)	1600	J B	4100	690	ug/Kg	☼	07/11/17 13:19	07/13/17 23:31	1
Kerosene (C8-C12)	1700	J	4100	1000	ug/Kg	☼	07/11/17 13:19	07/13/17 23:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	102		49 - 140	07/11/17 13:19	07/13/17 23:31	1

Client Sample ID: B3BLW9 — **Lab Sample ID: 280-99000-7**
Date Collected: 07/06/17 08:05 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.5**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel (C10-C28)	1600	J B	3900	660	ug/Kg	☼	07/11/17 13:19	07/13/17 23:56	1
Kerosene (C8-C12)	1800	J	3900	970	ug/Kg	☼	07/11/17 13:19	07/13/17 23:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	108		49 - 140	07/11/17 13:19	07/13/17 23:56	1

Client Sample ID: B3BLT7 — **Lab Sample ID: 280-99000-8**
Date Collected: 07/06/17 07:25 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 99.1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel (C10-C28)	2500	J B	3900	660	ug/Kg	☼	07/11/17 13:19	07/14/17 00:20	1
Kerosene (C8-C12)	2000	J	3900	980	ug/Kg	☼	07/11/17 13:19	07/14/17 00:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	100		49 - 140	07/11/17 13:19	07/14/17 00:20	1

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Client Sample ID: B3BLW7 — **Lab Sample ID: 280-99000-9**
Date Collected: 07/06/17 07:52 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 99.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel (C10-C28)	1300	J B	3900	660	ug/Kg	☼	07/11/17 13:19	07/14/17 00:44	1
Kerosene (C8-C12)	1600	J	3900	970	ug/Kg	☼	07/11/17 13:19	07/14/17 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*104*		*49 - 140*	*07/11/17 13:19*	*07/14/17 00:44*	*1*

Client Sample ID: B3BLW3 — **Lab Sample ID: 280-99000-10**
Date Collected: 07/06/17 07:58 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 99.2**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel (C10-C28)	95000	B	4000	680	ug/Kg	☼	07/11/17 13:19	07/14/17 01:08	1
Kerosene (C8-C12)	41000		4000	1000	ug/Kg	☼	07/11/17 13:19	07/14/17 01:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*103*		*49 - 140*	*07/11/17 13:19*	*07/14/17 01:08*	*1*

Client Sample ID: B3BLT5 — **Lab Sample ID: 280-99000-11**
Date Collected: 07/06/17 07:25 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 99.1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel (C10-C28)	1800	J B	3900	660	ug/Kg	☼	07/11/17 13:19	07/14/17 01:33	1
Kerosene (C8-C12)	1300	J	3900	970	ug/Kg	☼	07/11/17 13:19	07/14/17 01:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*100*		*49 - 140*	*07/11/17 13:19*	*07/14/17 01:33*	*1*

Client Sample ID: B3BLX1 — **Lab Sample ID: 280-99000-12**
Date Collected: 07/06/17 08:12 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel (C10-C28)	4900	B	4000	680	ug/Kg	☼	07/11/17 13:19	07/14/17 01:57	1
Kerosene (C8-C12)	2300	J	4000	990	ug/Kg	☼	07/11/17 13:19	07/14/17 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*98*		*49 - 140*	*07/11/17 13:19*	*07/14/17 01:57*	*1*

Client Sample ID: B3BLW1 — **Lab Sample ID: 280-99000-13**
Date Collected: 07/06/17 07:59 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel (C10-C28)	1700	J B	3800	640	ug/Kg	☼	07/11/17 13:19	07/14/17 02:21	1
Kerosene (C8-C12)	1600	J	3800	940	ug/Kg	☼	07/11/17 13:19	07/14/17 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*101*		*49 - 140*	*07/11/17 13:19*	*07/14/17 02:21*	*1*

Client Sample ID: B3BLV3 — **Lab Sample ID: 280-99000-14**
Date Collected: 07/06/17 07:40 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 99.4**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel (C10-C28)	910	J B	4000	680	ug/Kg	☼	07/11/17 13:19	07/14/17 02:45	1
Kerosene (C8-C12)	1300	J	4000	1000	ug/Kg	☼	07/11/17 13:19	07/14/17 02:45	1

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	106		49 - 140	07/11/17 13:19	07/14/17 02:45	1

Method: 6010C - Metals (ICP)

Client Sample ID: B3BLV1 — **Lab Sample ID: 280-99000-1**
Date Collected: 07/06/17 07:30 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 97.3**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	677	U N	1380	677	ug/Kg	☼	07/11/17 06:45	07/11/17 22:41	1
Arsenic	**3460**		1850	614	ug/Kg	☼	07/11/17 06:45	07/11/17 22:41	1
Barium	**61400**		923	96.0	ug/Kg	☼	07/11/17 06:45	07/11/17 22:41	1
Beryllium	**433**	**B**	462	30.5	ug/Kg	☼	07/11/17 06:45	07/11/17 22:41	1
Boron	**1360**	**B**	9230	905	ug/Kg	☼	07/11/17 06:45	07/11/17 22:41	1
Cadmium	**82.8**	**B**	462	37.8	ug/Kg	☼	07/11/17 06:45	07/11/17 22:41	1
Chromium	**7760**		1380	53.5	ug/Kg	☼	07/11/17 06:45	07/11/17 22:41	1
Cobalt	**14600**		923	92.3	ug/Kg	☼	07/11/17 06:45	07/11/17 22:41	1
Copper	**18900**		1850	200	ug/Kg	☼	07/11/17 06:45	07/11/17 22:41	1
Lead	**5480**		831	286	ug/Kg	☼	07/11/17 06:45	07/12/17 19:55	1
Manganese	**396000**		923	92.3	ug/Kg	☼	07/11/17 06:45	07/11/17 22:41	1
Molybdenum	**258**	**B**	1850	240	ug/Kg	☼	07/11/17 06:45	07/11/17 22:41	1
Nickel	**10900**		3690	122	ug/Kg	☼	07/11/17 06:45	07/11/17 22:41	1
Selenium	794	U	1380	794	ug/Kg	☼	07/11/17 06:45	07/11/17 22:41	1
Silver	148	U	923	148	ug/Kg	☼	07/11/17 06:45	07/11/17 22:41	1
Vanadium	**63600**		1850	86.8	ug/Kg	☼	07/11/17 06:45	07/11/17 22:41	1
Zinc	**53200**		2770	367	ug/Kg	☼	07/11/17 06:45	07/11/17 22:41	1

Client Sample ID: B3BLV7 — **Lab Sample ID: 280-99000-2**
Date Collected: 07/06/17 07:53 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.8**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	670	U N	1370	670	ug/Kg	☼	07/11/17 06:45	07/11/17 22:44	1
Arsenic	**3050**		1830	608	ug/Kg	☼	07/11/17 06:45	07/11/17 22:44	1
Barium	**62900**		914	95.1	ug/Kg	☼	07/11/17 06:45	07/11/17 22:44	1
Beryllium	**450**	**B**	457	30.2	ug/Kg	☼	07/11/17 06:45	07/11/17 22:44	1
Boron	**944**	**B**	9140	896	ug/Kg	☼	07/11/17 06:45	07/11/17 22:44	1
Cadmium	**61.0**	**B**	457	37.5	ug/Kg	☼	07/11/17 06:45	07/11/17 22:44	1
Chromium	**6510**		1370	53.0	ug/Kg	☼	07/11/17 06:45	07/11/17 22:44	1
Cobalt	**14700**		914	91.4	ug/Kg	☼	07/11/17 06:45	07/11/17 22:44	1
Copper	**18800**		1830	198	ug/Kg	☼	07/11/17 06:45	07/11/17 22:44	1
Lead	**4970**		823	283	ug/Kg	☼	07/11/17 06:45	07/12/17 19:58	1
Manganese	**375000**		914	91.4	ug/Kg	☼	07/11/17 06:45	07/11/17 22:44	1
Molybdenum	**274**	**B**	1830	238	ug/Kg	☼	07/11/17 06:45	07/11/17 22:44	1
Nickel	**10200**		3660	121	ug/Kg	☼	07/11/17 06:45	07/11/17 22:44	1
Selenium	786	U	1370	786	ug/Kg	☼	07/11/17 06:45	07/11/17 22:44	1
Silver	146	U	914	146	ug/Kg	☼	07/11/17 06:45	07/11/17 22:44	1
Vanadium	**65000**		1830	85.9	ug/Kg	☼	07/11/17 06:45	07/11/17 22:44	1
Zinc	**52400**		2740	364	ug/Kg	☼	07/11/17 06:45	07/11/17 22:44	1

Client Sample ID: B3BLV5 — **Lab Sample ID: 280-99000-3**
Date Collected: 07/06/17 07:37 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 100.0**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	701	U N	1430	701	ug/Kg	☼	07/11/17 06:45	07/11/17 22:47	1

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 6010C - Metals (ICP) (Continued)

Client Sample ID: B3BLV5 — **Lab Sample ID: 280-99000-3**
Date Collected: 07/06/17 07:37 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 100.0**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	636	U	1910	636	ug/Kg	☼	07/11/17 06:45	07/11/17 22:47	1
Barium	**471**	**B C**	956	99.4	ug/Kg	☼	07/11/17 06:45	07/11/17 22:47	1
Beryllium	31.5	U	478	31.5	ug/Kg	☼	07/11/17 06:45	07/11/17 22:47	1
Boron	937	U	9560	937	ug/Kg	☼	07/11/17 06:45	07/11/17 22:47	1
Cadmium	39.2	U	478	39.2	ug/Kg	☼	07/11/17 06:45	07/11/17 22:47	1
Chromium	**296**	**B**	1430	55.4	ug/Kg	☼	07/11/17 06:45	07/11/17 22:47	1
Cobalt	95.6	U	956	95.6	ug/Kg	☼	07/11/17 06:45	07/11/17 22:47	1
Copper	**235**	**B**	1910	207	ug/Kg	☼	07/11/17 06:45	07/11/17 22:47	1
Lead	296	U	860	296	ug/Kg	☼	07/11/17 06:45	07/12/17 20:01	1
Manganese	**483**	**B**	956	95.6	ug/Kg	☼	07/11/17 06:45	07/11/17 22:47	1
Molybdenum	249	U	1910	249	ug/Kg	☼	07/11/17 06:45	07/11/17 22:47	1
Nickel	**202**	**B**	3820	126	ug/Kg	☼	07/11/17 06:45	07/11/17 22:47	1
Selenium	822	U	1430	822	ug/Kg	☼	07/11/17 06:45	07/11/17 22:47	1
Silver	153	U	956	153	ug/Kg	☼	07/11/17 06:45	07/11/17 22:47	1
Vanadium	**208**	**B**	1910	89.9	ug/Kg	☼	07/11/17 06:45	07/11/17 22:47	1
Zinc	380	U	2870	380	ug/Kg	☼	07/11/17 06:45	07/11/17 22:47	1

Client Sample ID: B3BLV9 — **Lab Sample ID: 280-99000-4**
Date Collected: 07/06/17 07:45 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 97.0**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	699	U N	1430	699	ug/Kg	☼	07/11/17 06:45	07/11/17 22:50	1
Arsenic	**4170**		1910	634	ug/Kg	☼	07/11/17 06:45	07/11/17 22:50	1
Barium	**73400**		953	99.1	ug/Kg	☼	07/11/17 06:45	07/11/17 22:50	1
Beryllium	**422**	**B**	477	31.5	ug/Kg	☼	07/11/17 06:45	07/11/17 22:50	1
Boron	**1550**	**B**	9530	934	ug/Kg	☼	07/11/17 06:45	07/11/17 22:50	1
Cadmium	**81.7**	**B**	477	39.1	ug/Kg	☼	07/11/17 06:45	07/11/17 22:50	1
Chromium	**10900**		1430	55.3	ug/Kg	☼	07/11/17 06:45	07/11/17 22:50	1
Cobalt	**13400**		953	95.3	ug/Kg	☼	07/11/17 06:45	07/11/17 22:50	1
Copper	**16500**		1910	207	ug/Kg	☼	07/11/17 06:45	07/11/17 22:50	1
Lead	**6440**		858	295	ug/Kg	☼	07/11/17 06:45	07/12/17 20:04	1
Manganese	**396000**		953	95.3	ug/Kg	☼	07/11/17 06:45	07/11/17 22:50	1
Molybdenum	248	U	1910	248	ug/Kg	☼	07/11/17 06:45	07/11/17 22:50	1
Nickel	**13900**		3810	126	ug/Kg	☼	07/11/17 06:45	07/11/17 22:50	1
Selenium	820	U	1430	820	ug/Kg	☼	07/11/17 06:45	07/11/17 22:50	1
Silver	152	U	953	152	ug/Kg	☼	07/11/17 06:45	07/11/17 22:50	1
Vanadium	**61500**		1910	89.6	ug/Kg	☼	07/11/17 06:45	07/11/17 22:50	1
Zinc	**50000**		2860	379	ug/Kg	☼	07/11/17 06:45	07/11/17 22:50	1

Client Sample ID: B3BLT9 — **Lab Sample ID: 280-99000-5**
Date Collected: 07/06/17 07:38 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	502	U N	1030	502	ug/Kg	☼	07/11/17 06:45	07/11/17 23:17	1
Arsenic	**4100**		1370	455	ug/Kg	☼	07/11/17 06:45	07/11/17 23:17	1
Barium	**68900**		684	71.2	ug/Kg	☼	07/11/17 06:45	07/11/17 23:17	1
Beryllium	**437**		342	22.6	ug/Kg	☼	07/11/17 06:45	07/11/17 23:17	1
Boron	**1190**	**B**	6840	671	ug/Kg	☼	07/11/17 06:45	07/11/17 23:17	1
Cadmium	**57.1**	**B**	342	28.1	ug/Kg	☼	07/11/17 06:45	07/11/17 23:17	1
Chromium	**9100**		1030	39.7	ug/Kg	☼	07/11/17 06:45	07/11/17 23:17	1

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 6010C - Metals (ICP) (Continued)

Client Sample ID: B3BLT9 — **Lab Sample ID: 280-99000-5**
Date Collected: 07/06/17 07:38 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	15400		684	68.4	ug/Kg	☼	07/11/17 06:45	07/11/17 23:17	1
Copper	20300		1370	149	ug/Kg	☼	07/11/17 06:45	07/11/17 23:17	1
Lead	5830		616	212	ug/Kg	☼	07/11/17 06:45	07/12/17 20:19	1
Manganese	405000		684	68.4	ug/Kg	☼	07/11/17 06:45	07/11/17 23:17	1
Molybdenum	333	B	1370	178	ug/Kg	☼	07/11/17 06:45	07/11/17 23:17	1
Nickel	11700		2740	90.3	ug/Kg	☼	07/11/17 06:45	07/11/17 23:17	1
Selenium	589	U	1030	589	ug/Kg	☼	07/11/17 06:45	07/11/17 23:17	1
Silver	110	U	684	110	ug/Kg	☼	07/11/17 06:45	07/11/17 23:17	1
Vanadium	71600		1370	64.3	ug/Kg	☼	07/11/17 06:45	07/11/17 23:17	1
Zinc	54900		2050	272	ug/Kg	☼	07/11/17 06:45	07/11/17 23:17	1

Client Sample ID: B3BLW5 — **Lab Sample ID: 280-99000-6**
Date Collected: 07/06/17 08:07 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.4**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	517	U N	1060	517	ug/Kg	☼	07/11/17 06:45	07/11/17 23:20	1
Arsenic	5560		1410	469	ug/Kg	☼	07/11/17 06:45	07/11/17 23:20	1
Barium	77800		705	73.3	ug/Kg	☼	07/11/17 06:45	07/11/17 23:20	1
Beryllium	572		352	23.3	ug/Kg	☼	07/11/17 06:45	07/11/17 23:20	1
Boron	1140	B	7050	691	ug/Kg	☼	07/11/17 06:45	07/11/17 23:20	1
Cadmium	76.7	B	352	28.9	ug/Kg	☼	07/11/17 06:45	07/11/17 23:20	1
Chromium	12900		1060	40.9	ug/Kg	☼	07/11/17 06:45	07/11/17 23:20	1
Cobalt	13600		705	70.5	ug/Kg	☼	07/11/17 06:45	07/11/17 23:20	1
Copper	24100		1410	153	ug/Kg	☼	07/11/17 06:45	07/11/17 23:20	1
Lead	9720		634	218	ug/Kg	☼	07/11/17 06:45	07/12/17 20:34	1
Manganese	446000		705	70.5	ug/Kg	☼	07/11/17 06:45	07/11/17 23:20	1
Molybdenum	302	B	1410	183	ug/Kg	☼	07/11/17 06:45	07/11/17 23:20	1
Nickel	15700		2820	93.0	ug/Kg	☼	07/11/17 06:45	07/11/17 23:20	1
Selenium	606	U	1060	606	ug/Kg	☼	07/11/17 06:45	07/11/17 23:20	1
Silver	113	U	705	113	ug/Kg	☼	07/11/17 06:45	07/11/17 23:20	1
Vanadium	53200		1410	66.2	ug/Kg	☼	07/11/17 06:45	07/11/17 23:20	1
Zinc	56700		2110	280	ug/Kg	☼	07/11/17 06:45	07/11/17 23:20	1

Client Sample ID: B3BLW9 — **Lab Sample ID: 280-99000-7**
Date Collected: 07/06/17 08:05 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.5**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	528	U N	1080	528	ug/Kg	☼	07/11/17 06:45	07/11/17 23:23	1
Arsenic	4670		1440	479	ug/Kg	☼	07/11/17 06:45	07/11/17 23:23	1
Barium	74200		721	74.9	ug/Kg	☼	07/11/17 06:45	07/11/17 23:23	1
Beryllium	454		360	23.8	ug/Kg	☼	07/11/17 06:45	07/11/17 23:23	1
Boron	1030	B	7210	706	ug/Kg	☼	07/11/17 06:45	07/11/17 23:23	1
Cadmium	65.8	B	360	29.5	ug/Kg	☼	07/11/17 06:45	07/11/17 23:23	1
Chromium	8950		1080	41.8	ug/Kg	☼	07/11/17 06:45	07/11/17 23:23	1
Cobalt	14500		721	72.1	ug/Kg	☼	07/11/17 06:45	07/11/17 23:23	1
Copper	19800		1440	156	ug/Kg	☼	07/11/17 06:45	07/11/17 23:23	1
Lead	7210		649	223	ug/Kg	☼	07/11/17 06:45	07/12/17 20:37	1
Manganese	557000		721	72.1	ug/Kg	☼	07/11/17 06:45	07/11/17 23:23	1
Molybdenum	325	B	1440	187	ug/Kg	☼	07/11/17 06:45	07/11/17 23:23	1
Nickel	11800		2880	95.1	ug/Kg	☼	07/11/17 06:45	07/11/17 23:23	1

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 6010C - Metals (ICP) (Continued)

Client Sample ID: B3BLW9 — **Lab Sample ID: 280-99000-7**
Date Collected: 07/06/17 08:05 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.5**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	620	U	1080	620	ug/Kg	☼	07/11/17 06:45	07/11/17 23:23	1
Silver	**135**	**B**	721	115	ug/Kg	☼	07/11/17 06:45	07/11/17 23:23	1
Vanadium	**65200**		1440	67.7	ug/Kg	☼	07/11/17 06:45	07/11/17 23:23	1
Zinc	**54500**		2160	287	ug/Kg	☼	07/11/17 06:45	07/11/17 23:23	1

Client Sample ID: B3BLT7 — **Lab Sample ID: 280-99000-8**
Date Collected: 07/06/17 07:25 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 99.1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	725	U N	1480	725	ug/Kg	☼	07/11/17 06:45	07/11/17 23:26	1
Arsenic	**5320**		1980	658	ug/Kg	☼	07/11/17 06:45	07/11/17 23:26	1
Barium	**92600**		990	103	ug/Kg	☼	07/11/17 06:45	07/11/17 23:26	1
Beryllium	**639**		495	32.7	ug/Kg	☼	07/11/17 06:45	07/11/17 23:26	1
Boron	**1460**	**B**	9900	970	ug/Kg	☼	07/11/17 06:45	07/11/17 23:26	1
Cadmium	**83.5**	**B**	495	40.6	ug/Kg	☼	07/11/17 06:45	07/11/17 23:26	1
Chromium	**13000**		1480	57.4	ug/Kg	☼	07/11/17 06:45	07/11/17 23:26	1
Cobalt	**16700**		990	99.0	ug/Kg	☼	07/11/17 06:45	07/11/17 23:26	1
Copper	**24300**		1980	215	ug/Kg	☼	07/11/17 06:45	07/11/17 23:26	1
Lead	**8830**		891	307	ug/Kg	☼	07/11/17 06:45	07/12/17 20:40	1
Manganese	**491000**		990	99.0	ug/Kg	☼	07/11/17 06:45	07/11/17 23:26	1
Molybdenum	**280**	**B**	1980	257	ug/Kg	☼	07/11/17 06:45	07/11/17 23:26	1
Nickel	**16500**		3960	131	ug/Kg	☼	07/11/17 06:45	07/11/17 23:26	1
Selenium	851	U	1480	851	ug/Kg	☼	07/11/17 06:45	07/11/17 23:26	1
Silver	158	U	990	158	ug/Kg	☼	07/11/17 06:45	07/11/17 23:26	1
Vanadium	**65400**		1980	93.0	ug/Kg	☼	07/11/17 06:45	07/11/17 23:26	1
Zinc	**62600**		2970	394	ug/Kg	☼	07/11/17 06:45	07/11/17 23:26	1

Client Sample ID: B3BLW7 — **Lab Sample ID: 280-99000-9**
Date Collected: 07/06/17 07:52 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 99.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	707	U N	1450	707	ug/Kg	☼	07/11/17 06:45	07/11/17 23:29	1
Arsenic	**2260**		1930	641	ug/Kg	☼	07/11/17 06:45	07/11/17 23:29	1
Barium	**52400**		964	100	ug/Kg	☼	07/11/17 06:45	07/11/17 23:29	1
Beryllium	**248**	**B**	482	31.8	ug/Kg	☼	07/11/17 06:45	07/11/17 23:29	1
Boron	945	U	9640	945	ug/Kg	☼	07/11/17 06:45	07/11/17 23:29	1
Cadmium	**58.2**	**B**	482	39.5	ug/Kg	☼	07/11/17 06:45	07/11/17 23:29	1
Chromium	**6690**		1450	55.9	ug/Kg	☼	07/11/17 06:45	07/11/17 23:29	1
Cobalt	**10800**		964	96.4	ug/Kg	☼	07/11/17 06:45	07/11/17 23:29	1
Copper	**11100**		1930	209	ug/Kg	☼	07/11/17 06:45	07/11/17 23:29	1
Lead	**3550**		868	299	ug/Kg	☼	07/11/17 06:45	07/12/17 20:43	1
Manganese	**277000**		964	96.4	ug/Kg	☼	07/11/17 06:45	07/11/17 23:29	1
Molybdenum	**328**	**B**	1930	251	ug/Kg	☼	07/11/17 06:45	07/11/17 23:29	1
Nickel	**7410**		3860	127	ug/Kg	☼	07/11/17 06:45	07/11/17 23:29	1
Selenium	829	U	1450	829	ug/Kg	☼	07/11/17 06:45	07/11/17 23:29	1
Silver	154	U	964	154	ug/Kg	☼	07/11/17 06:45	07/11/17 23:29	1
Vanadium	**58700**		1930	90.6	ug/Kg	☼	07/11/17 06:45	07/11/17 23:29	1
Zinc	**39000**		2890	384	ug/Kg	☼	07/11/17 06:45	07/11/17 23:29	1

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 6010C - Metals (ICP)

Client Sample ID: B3BLW3 — **Lab Sample ID: 280-99000-10**
Date Collected: 07/06/17 07:58 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 99.2**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	624	U N	1280	624	ug/Kg	☼	07/11/17 06:45	07/11/17 23:32	1
Arsenic	3480		1700	566	ug/Kg	☼	07/11/17 06:45	07/11/17 23:32	1
Barium	60900		852	88.6	ug/Kg	☼	07/11/17 06:45	07/11/17 23:32	1
Beryllium	332	B	426	28.1	ug/Kg	☼	07/11/17 06:45	07/11/17 23:32	1
Boron	1020	B	8520	835	ug/Kg	☼	07/11/17 06:45	07/11/17 23:32	1
Cadmium	50.3	B	426	34.9	ug/Kg	☼	07/11/17 06:45	07/11/17 23:32	1
Chromium	7540		1280	49.4	ug/Kg	☼	07/11/17 06:45	07/11/17 23:32	1
Cobalt	13700		852	85.2	ug/Kg	☼	07/11/17 06:45	07/11/17 23:32	1
Copper	17000		1700	185	ug/Kg	☼	07/11/17 06:45	07/11/17 23:32	1
Lead	5500		767	264	ug/Kg	☼	07/11/17 06:45	07/12/17 20:46	1
Manganese	377000		852	85.2	ug/Kg	☼	07/11/17 06:45	07/11/17 23:32	1
Molybdenum	344	B	1700	221	ug/Kg	☼	07/11/17 06:45	07/11/17 23:32	1
Nickel	11100		3410	112	ug/Kg	☼	07/11/17 06:45	07/11/17 23:32	1
Selenium	733	U	1280	733	ug/Kg	☼	07/11/17 06:45	07/11/17 23:32	1
Silver	136	B	852	136	ug/Kg	☼	07/11/17 06:45	07/11/17 23:32	1
Vanadium	62100		1700	80.1	ug/Kg	☼	07/11/17 06:45	07/11/17 23:32	1
Zinc	49500		2560	339	ug/Kg	☼	07/11/17 06:45	07/11/17 23:32	1

Client Sample ID: B3BLT5 — **Lab Sample ID: 280-99000-11**
Date Collected: 07/06/17 07:25 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 99.1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	677	U N	1390	677	ug/Kg	☼	07/11/17 06:45	07/11/17 23:35	1
Arsenic	5220		1850	615	ug/Kg	☼	07/11/17 06:45	07/11/17 23:35	1
Barium	92500		924	96.1	ug/Kg	☼	07/11/17 06:45	07/11/17 23:35	1
Beryllium	638		462	30.5	ug/Kg	☼	07/11/17 06:45	07/11/17 23:35	1
Boron	1420	B	9240	906	ug/Kg	☼	07/11/17 06:45	07/11/17 23:35	1
Cadmium	68.7	B	462	37.9	ug/Kg	☼	07/11/17 06:45	07/11/17 23:35	1
Chromium	13200		1390	53.6	ug/Kg	☼	07/11/17 06:45	07/11/17 23:35	1
Cobalt	16900		924	92.4	ug/Kg	☼	07/11/17 06:45	07/11/17 23:35	1
Copper	25100		1850	201	ug/Kg	☼	07/11/17 06:45	07/11/17 23:35	1
Lead	9020		832	287	ug/Kg	☼	07/11/17 06:45	07/12/17 20:49	1
Manganese	509000		924	92.4	ug/Kg	☼	07/11/17 06:45	07/11/17 23:35	1
Molybdenum	390	B	1850	240	ug/Kg	☼	07/11/17 06:45	07/11/17 23:35	1
Nickel	16800		3700	122	ug/Kg	☼	07/11/17 06:45	07/11/17 23:35	1
Selenium	795	U	1390	795	ug/Kg	☼	07/11/17 06:45	07/11/17 23:35	1
Silver	148	U	924	148	ug/Kg	☼	07/11/17 06:45	07/11/17 23:35	1
Vanadium	67000		1850	86.9	ug/Kg	☼	07/11/17 06:45	07/11/17 23:35	1
Zinc	65100		2770	368	ug/Kg	☼	07/11/17 06:45	07/11/17 23:35	1

Client Sample ID: B3BLX1 — **Lab Sample ID: 280-99000-12**
Date Collected: 07/06/17 08:12 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	574	U N	1170	574	ug/Kg	☼	07/11/17 06:45	07/11/17 23:38	1
Arsenic	2960		1570	520	ug/Kg	☼	07/11/17 06:45	07/11/17 23:38	1
Barium	62100		783	81.4	ug/Kg	☼	07/11/17 06:45	07/11/17 23:38	1
Beryllium	355	B	391	25.8	ug/Kg	☼	07/11/17 06:45	07/11/17 23:38	1
Boron	1270	B	7830	767	ug/Kg	☼	07/11/17 06:45	07/11/17 23:38	1
Cadmium	86.8	B	391	32.1	ug/Kg	☼	07/11/17 06:45	07/11/17 23:38	1

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 6010C - Metals (ICP) (Continued)

Client Sample ID: B3BLX1 — **Lab Sample ID: 280-99000-12**
Date Collected: 07/06/17 08:12 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	8910		1170	45.4	ug/Kg	☼	07/11/17 06:45	07/11/17 23:38	1
Cobalt	11800		783	78.3	ug/Kg	☼	07/11/17 06:45	07/11/17 23:38	1
Copper	16400		1570	170	ug/Kg	☼	07/11/17 06:45	07/11/17 23:38	1
Lead	6970		704	243	ug/Kg	☼	07/11/17 06:45	07/12/17 20:52	1
Manganese	330000		783	78.3	ug/Kg	☼	07/11/17 06:45	07/11/17 23:38	1
Molybdenum	252	B	1570	203	ug/Kg	☼	07/11/17 06:45	07/11/17 23:38	1
Nickel	9910		3130	103	ug/Kg	☼	07/11/17 06:45	07/11/17 23:38	1
Selenium	673	U	1170	673	ug/Kg	☼	07/11/17 06:45	07/11/17 23:38	1
Silver	125	U	783	125	ug/Kg	☼	07/11/17 06:45	07/11/17 23:38	1
Vanadium	55600		1570	73.6	ug/Kg	☼	07/11/17 06:45	07/11/17 23:38	1
Zinc	49000		2350	311	ug/Kg	☼	07/11/17 06:45	07/11/17 23:38	1

Client Sample ID: B3BLW1 — **Lab Sample ID: 280-99000-13**
Date Collected: 07/06/17 07:59 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	600	U N	1230	600	ug/Kg	☼	07/11/17 06:45	07/11/17 23:41	1
Arsenic	3300		1640	545	ug/Kg	☼	07/11/17 06:45	07/11/17 23:41	1
Barium	65000		819	85.2	ug/Kg	☼	07/11/17 06:45	07/11/17 23:41	1
Beryllium	450		409	27.0	ug/Kg	☼	07/11/17 06:45	07/11/17 23:41	1
Boron	1090	B	8190	803	ug/Kg	☼	07/11/17 06:45	07/11/17 23:41	1
Cadmium	58.6	B	409	33.6	ug/Kg	☼	07/11/17 06:45	07/11/17 23:41	1
Chromium	8620		1230	47.5	ug/Kg	☼	07/11/17 06:45	07/11/17 23:41	1
Cobalt	15900		819	81.9	ug/Kg	☼	07/11/17 06:45	07/11/17 23:41	1
Copper	20100		1640	178	ug/Kg	☼	07/11/17 06:45	07/11/17 23:41	1
Lead	5420		737	254	ug/Kg	☼	07/11/17 06:45	07/12/17 20:55	1
Manganese	406000		819	81.9	ug/Kg	☼	07/11/17 06:45	07/11/17 23:41	1
Molybdenum	250	B	1640	213	ug/Kg	☼	07/11/17 06:45	07/11/17 23:41	1
Nickel	17500		3280	108	ug/Kg	☼	07/11/17 06:45	07/11/17 23:41	1
Selenium	704	U	1230	704	ug/Kg	☼	07/11/17 06:45	07/11/17 23:41	1
Silver	131	U	819	131	ug/Kg	☼	07/11/17 06:45	07/11/17 23:41	1
Vanadium	67600		1640	77.0	ug/Kg	☼	07/11/17 06:45	07/11/17 23:41	1
Zinc	53900		2460	326	ug/Kg	☼	07/11/17 06:45	07/11/17 23:41	1

Client Sample ID: B3BLV3 — **Lab Sample ID: 280-99000-14**
Date Collected: 07/06/17 07:40 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 99.4**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	669	U N	1370	669	ug/Kg	☼	07/11/17 06:45	07/11/17 23:44	1
Arsenic	2540		1820	607	ug/Kg	☼	07/11/17 06:45	07/11/17 23:44	1
Barium	58000		912	94.9	ug/Kg	☼	07/11/17 06:45	07/11/17 23:44	1
Beryllium	359	B	456	30.1	ug/Kg	☼	07/11/17 06:45	07/11/17 23:44	1
Boron	894	U	9120	894	ug/Kg	☼	07/11/17 06:45	07/11/17 23:44	1
Cadmium	69.8	B	456	37.4	ug/Kg	☼	07/11/17 06:45	07/11/17 23:44	1
Chromium	5270		1370	52.9	ug/Kg	☼	07/11/17 06:45	07/11/17 23:44	1
Cobalt	14400		912	91.2	ug/Kg	☼	07/11/17 06:45	07/11/17 23:44	1
Copper	17500		1820	198	ug/Kg	☼	07/11/17 06:45	07/11/17 23:44	1
Lead	3920		821	283	ug/Kg	☼	07/11/17 06:45	07/12/17 20:58	1
Manganese	330000		912	91.2	ug/Kg	☼	07/11/17 06:45	07/11/17 23:44	1
Molybdenum	295	B	1820	237	ug/Kg	☼	07/11/17 06:45	07/11/17 23:44	1

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 6010C - Metals (ICP) (Continued)

Client Sample ID: B3BLV3 — **Lab Sample ID: 280-99000-14**
Date Collected: 07/06/17 07:40 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 99.4**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	**8400**		3650	120	ug/Kg	☼	07/11/17 06:45	07/11/17 23:44	1
Selenium	785	U	1370	785	ug/Kg	☼	07/11/17 06:45	07/11/17 23:44	1
Silver	**150**	**B**	912	146	ug/Kg	☼	07/11/17 06:45	07/11/17 23:44	1
Vanadium	**65800**		1820	85.8	ug/Kg	☼	07/11/17 06:45	07/11/17 23:44	1
Zinc	**50000**		2740	363	ug/Kg	☼	07/11/17 06:45	07/11/17 23:44	1

Method: 7471B - Mercury (CVAA)

Client Sample ID: B3BLV1 — **Lab Sample ID: 280-99000-1**
Date Collected: 07/06/17 07:30 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 97.3**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	6.3	U	19.4	6.3	ug/Kg	☼	07/11/17 12:13	07/11/17 16:55	1

Client Sample ID: B3BLV7 — **Lab Sample ID: 280-99000-2**
Date Collected: 07/06/17 07:53 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.8**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	6.6	U	20.2	6.6	ug/Kg	☼	07/11/17 12:13	07/11/17 16:57	1

Client Sample ID: B3BLV5 — **Lab Sample ID: 280-99000-3**
Date Collected: 07/06/17 07:37 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 100.0**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	6.0	U	18.5	6.0	ug/Kg	☼	07/11/17 12:13	07/11/17 17:00	1

Client Sample ID: B3BLV9 — **Lab Sample ID: 280-99000-4**
Date Collected: 07/06/17 07:45 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 97.0**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	6.0	U	18.5	6.0	ug/Kg	☼	07/11/17 12:13	07/11/17 17:02	1

Client Sample ID: B3BLT9 — **Lab Sample ID: 280-99000-5**
Date Collected: 07/06/17 07:38 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	5.8	U	17.8	5.8	ug/Kg	☼	07/11/17 12:13	07/11/17 17:13	1

Client Sample ID: B3BLW5 — **Lab Sample ID: 280-99000-6**
Date Collected: 07/06/17 08:07 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.4**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**5.7**	**B**	17.3	5.6	ug/Kg	☼	07/11/17 12:13	07/11/17 17:15	1

Client Sample ID: B3BLW9 — **Lab Sample ID: 280-99000-7**
Date Collected: 07/06/17 08:05 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.5**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**7.4**	**B**	19.2	6.2	ug/Kg	☼	07/11/17 12:13	07/11/17 17:17	1

Client Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 7471B - Mercury (CVAA)

Client Sample ID: B3BLT7 — **Lab Sample ID: 280-99000-8**
Date Collected: 07/06/17 07:25 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 99.1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**7.0**	**B**	20.2	6.6	ug/Kg	☼	07/11/17 12:13	07/11/17 17:20	1

Client Sample ID: B3BLW7 — **Lab Sample ID: 280-99000-9**
Date Collected: 07/06/17 07:52 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 99.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	5.9	U	18.3	5.9	ug/Kg	☼	07/11/17 12:13	07/11/17 17:22	1

Client Sample ID: B3BLW3 — **Lab Sample ID: 280-99000-10**
Date Collected: 07/06/17 07:58 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 99.2**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	6.2	U	19.0	6.2	ug/Kg	☼	07/11/17 12:13	07/11/17 17:24	1

Client Sample ID: B3BLT5 — **Lab Sample ID: 280-99000-11**
Date Collected: 07/06/17 07:25 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 99.1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**5.9**	**B**	18.1	5.9	ug/Kg	☼	07/11/17 12:13	07/11/17 17:26	1

Client Sample ID: B3BLX1 — **Lab Sample ID: 280-99000-12**
Date Collected: 07/06/17 08:12 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**11.1**	**B**	19.5	6.3	ug/Kg	☼	07/11/17 12:13	07/11/17 17:29	1

Client Sample ID: B3BLW1 — **Lab Sample ID: 280-99000-13**
Date Collected: 07/06/17 07:59 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 98.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	5.7	U	17.5	5.7	ug/Kg	☼	07/11/17 12:13	07/11/17 17:35	1

Client Sample ID: B3BLV3 — **Lab Sample ID: 280-99000-14**
Date Collected: 07/06/17 07:40 — **Matrix: Soil**
Date Received: 07/07/17 09:20 — **Percent Solids: 99.4**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	5.6	U	17.1	5.6	ug/Kg	☼	07/11/17 12:13	07/11/17 17:37	1

QC Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 280-380236/1-A
Matrix: Solid
Analysis Batch: 380687

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 380236

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.16	U	5.0	0.16	ug/Kg		07/10/17 12:16	07/13/17 13:59	1
Acenaphthylene	0.17	U	5.0	0.17	ug/Kg		07/10/17 12:16	07/13/17 13:59	1
Anthracene	0.72	U	5.0	0.72	ug/Kg		07/10/17 12:16	07/13/17 13:59	1
Benzo[a]anthracene	0.90	U	5.0	0.90	ug/Kg		07/10/17 12:16	07/13/17 13:59	1
Benzo[a]pyrene	0.74	U	5.0	0.74	ug/Kg		07/10/17 12:16	07/13/17 13:59	1
Benzo[b]fluoranthene	1.89	J	5.0	1.2	ug/Kg		07/10/17 12:16	07/13/17 13:59	1
Benzo[g,h,i]perylene	2.15	J	5.0	1.1	ug/Kg		07/10/17 12:16	07/13/17 13:59	1
Benzo[k]fluoranthene	1.0	U	5.0	1.0	ug/Kg		07/10/17 12:16	07/13/17 13:59	1
Chrysene	1.0	U	5.0	1.0	ug/Kg		07/10/17 12:16	07/13/17 13:59	1
Dibenz[a,h]anthracene	1.3	U	5.0	1.3	ug/Kg		07/10/17 12:16	07/13/17 13:59	1
Fluoranthene	1.0	U	5.0	1.0	ug/Kg		07/10/17 12:16	07/13/17 13:59	1
Fluorene	0.47	U	5.0	0.47	ug/Kg		07/10/17 12:16	07/13/17 13:59	1
Indeno[1,2,3-cd]pyrene	1.89	J	5.0	1.1	ug/Kg		07/10/17 12:16	07/13/17 13:59	1
Naphthalene	0.33	U	5.0	0.33	ug/Kg		07/10/17 12:16	07/13/17 13:59	1
Phenanthrene	1.1	U	5.0	1.1	ug/Kg		07/10/17 12:16	07/13/17 13:59	1
Pyrene	1.1	U	5.0	1.1	ug/Kg		07/10/17 12:16	07/13/17 13:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*39 - 120*	*07/10/17 12:16*	*07/13/17 13:59*	*1*
Nitrobenzene-d5	*66*		*42 - 120*	*07/10/17 12:16*	*07/13/17 13:59*	*1*
Terphenyl-d14	*77*		*35 - 124*	*07/10/17 12:16*	*07/13/17 13:59*	*1*

Lab Sample ID: LCS 280-380236/2-A
Matrix: Solid
Analysis Batch: 380687

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 380236

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	29.2	22.0		ug/Kg		75	35 - 130
Acenaphthylene	29.2	20.0		ug/Kg		69	41 - 130
Anthracene	29.2	21.1		ug/Kg		72	43 - 130
Benzo[a]anthracene	29.2	21.2		ug/Kg		73	36 - 130
Benzo[a]pyrene	29.2	20.5		ug/Kg		70	20 - 130
Benzo[b]fluoranthene	29.2	21.4		ug/Kg		73	37 - 130
Benzo[g,h,i]perylene	29.2	21.2		ug/Kg		73	20 - 130
Benzo[k]fluoranthene	29.2	21.8		ug/Kg		74	46 - 130
Chrysene	29.2	24.0		ug/Kg		82	34 - 130
Dibenz[a,h]anthracene	29.2	21.7		ug/Kg		74	20 - 130
Fluoranthene	29.2	20.3		ug/Kg		69	45 - 130
Fluorene	29.2	19.9		ug/Kg		68	44 - 130
Indeno[1,2,3-cd]pyrene	29.2	20.2		ug/Kg		69	20 - 130
Naphthalene	29.2	24.4		ug/Kg		83	44 - 130
Phenanthrene	29.2	22.9		ug/Kg		78	44 - 130
Pyrene	29.2	21.3		ug/Kg		73	43 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*74*		*39 - 120*
Nitrobenzene-d5	*59*		*42 - 120*

QC Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 280-380236/2-A
Matrix: Solid
Analysis Batch: 380687

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 380236

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*72*		*35 - 124*

Lab Sample ID: 280-99000-1 MS
Matrix: Soil
Analysis Batch: 380687

Client Sample ID: B3BLV1
Prep Type: Total/NA
Prep Batch: 380236

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.16	U	29.0	18.9		ug/Kg	☼	65	35 - 120
Acenaphthylene	0.17	U	29.0	17.5		ug/Kg	☼	60	41 - 120
Anthracene	0.73	U	29.0	18.5		ug/Kg	☼	64	43 - 120
Benzo[a]anthracene	0.92	U	29.0	20.2		ug/Kg	☼	70	36 - 120
Benzo[a]pyrene	0.76	U	29.0	20.7		ug/Kg	☼	71	20 - 120
Benzo[b]fluoranthene	1.2	U	29.0	22.0		ug/Kg	☼	76	37 - 120
Benzo[g,h,i]perylene	1.1	U	29.0	17.9		ug/Kg	☼	62	20 - 123
Benzo[k]fluoranthene	1.0	U	29.0	22.8		ug/Kg	☼	79	46 - 120
Chrysene	1.0	U	29.0	22.0		ug/Kg	☼	76	34 - 120
Dibenz[a,h]anthracene	1.3	U	29.0	18.4		ug/Kg	☼	63	20 - 120
Fluoranthene	1.0	U	29.0	19.6		ug/Kg	☼	68	45 - 120
Fluorene	0.48	U	29.0	17.8		ug/Kg	☼	61	44 - 120
Indeno[1,2,3-cd]pyrene	1.1	U	29.0	17.7		ug/Kg	☼	61	20 - 127
Naphthalene	0.33	U	29.0	20.7		ug/Kg	☼	71	44 - 120
Phenanthrene	1.1	U	29.0	19.9		ug/Kg	☼	69	44 - 120
Pyrene	1.1	U	29.0	21.1		ug/Kg	☼	73	43 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*63*		*39 - 120*
Nitrobenzene-d5	*52*		*42 - 120*
Terphenyl-d14	*69*		*35 - 124*

Lab Sample ID: 280-99000-1 MSD
Matrix: Soil
Analysis Batch: 380687

Client Sample ID: B3BLV1
Prep Type: Total/NA
Prep Batch: 380236

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.16	U	30.2	19.6		ug/Kg	☼	65	35 - 120	4	50
Acenaphthylene	0.17	U	30.2	18.6		ug/Kg	☼	61	41 - 120	6	50
Anthracene	0.73	U	30.2	20.5		ug/Kg	☼	68	43 - 120	10	50
Benzo[a]anthracene	0.92	U	30.2	22.6		ug/Kg	☼	75	36 - 120	11	40
Benzo[a]pyrene	0.76	U	30.2	23.9		ug/Kg	☼	79	20 - 120	14	30
Benzo[b]fluoranthene	1.2	U	30.2	24.7		ug/Kg	☼	82	37 - 120	12	30
Benzo[g,h,i]perylene	1.1	U	30.2	20.6		ug/Kg	☼	68	20 - 123	14	30
Benzo[k]fluoranthene	1.0	U	30.2	26.2		ug/Kg	☼	87	46 - 120	14	30
Chrysene	1.0	U	30.2	23.9		ug/Kg	☼	79	34 - 120	8	41
Dibenz[a,h]anthracene	1.3	U	30.2	21.4		ug/Kg	☼	71	20 - 120	15	30
Fluoranthene	1.0	U	30.2	20.8		ug/Kg	☼	69	45 - 120	6	30
Fluorene	0.48	U	30.2	18.4		ug/Kg	☼	61	44 - 120	3	50
Indeno[1,2,3-cd]pyrene	1.1	U	30.2	20.1		ug/Kg	☼	67	20 - 127	13	50
Naphthalene	0.33	U	30.2	21.8		ug/Kg	☼	72	44 - 120	5	50

QC Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 280-99000-1 MSD — **Client Sample ID: B3BLV1**
Matrix: Soil — **Prep Type: Total/NA**
Analysis Batch: 380687 — **Prep Batch: 380236**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenanthrene	1.1	U	30.2	21.7		ug/Kg	☼	72	44 - 120	9	42
Pyrene	1.1	U	30.2	21.9		ug/Kg	☼	72	43 - 120	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*39 - 120*
Nitrobenzene-d5	*54*		*42 - 120*
Terphenyl-d14	*69*		*35 - 124*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 280-380349/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 380696 — **Prep Batch: 380349**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.53	U	1.7	0.53	ug/Kg		07/11/17 09:40	07/13/17 22:55	1
4,4'-DDE	0.23	U	1.7	0.23	ug/Kg		07/11/17 09:40	07/13/17 22:55	1
4,4'-DDT	0.57	U	1.7	0.57	ug/Kg		07/11/17 09:40	07/13/17 22:55	1
Aldrin	0.24	U	1.7	0.24	ug/Kg		07/11/17 09:40	07/13/17 22:55	1
alpha-BHC	0.21	U	1.7	0.21	ug/Kg		07/11/17 09:40	07/13/17 22:55	1
beta-BHC	0.64	U	1.7	0.64	ug/Kg		07/11/17 09:40	07/13/17 22:55	1
delta-BHC	0.39	U	1.7	0.39	ug/Kg		07/11/17 09:40	07/13/17 22:55	1
Dieldrin	0.20	U	1.7	0.20	ug/Kg		07/11/17 09:40	07/13/17 22:55	1
Endosulfan I	0.17	U	1.7	0.17	ug/Kg		07/11/17 09:40	07/13/17 22:55	1
Endosulfan II	0.28	U	1.7	0.28	ug/Kg		07/11/17 09:40	07/13/17 22:55	1
Endosulfan sulfate	0.27	U	1.7	0.27	ug/Kg		07/11/17 09:40	07/13/17 22:55	1
Endrin	0.30	U	1.7	0.30	ug/Kg		07/11/17 09:40	07/13/17 22:55	1
Endrin aldehyde	0.17	U	1.7	0.17	ug/Kg		07/11/17 09:40	07/13/17 22:55	1
gamma-BHC (Lindane)	0.45	U	1.7	0.45	ug/Kg		07/11/17 09:40	07/13/17 22:55	1
Heptachlor epoxide	0.41	U	1.7	0.41	ug/Kg		07/11/17 09:40	07/13/17 22:55	1
Methoxychlor	0.44	U	3.2	0.44	ug/Kg		07/11/17 09:40	07/13/17 22:55	1
Toxaphene	15	U	65	15	ug/Kg		07/11/17 09:40	07/13/17 22:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Decachlorobiphenyl	*96*		*63 - 124*	*07/11/17 09:40*	*07/13/17 22:55*	*1*
Tetrachloro-m-xylene	*92*		*59 - 115*	*07/11/17 09:40*	*07/13/17 22:55*	*1*

Lab Sample ID: LCS 280-380349/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 380696 — **Prep Batch: 380349**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.7	15.3		ug/Kg		92	69 - 130
4,4'-DDE	16.7	14.6		ug/Kg		88	70 - 130
4,4'-DDT	16.7	15.6		ug/Kg		93	67 - 130
Aldrin	16.7	14.0		ug/Kg		84	69 - 130
alpha-BHC	16.7	14.1		ug/Kg		85	65 - 130

QC Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 280-380349/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 380696 — **Prep Batch: 380349**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
beta-BHC	16.7	14.6		ug/Kg		88	62 - 130
delta-BHC	16.7	14.6		ug/Kg		88	67 - 130
Dieldrin	16.7	15.0		ug/Kg		90	70 - 130
Endosulfan I	16.7	14.4		ug/Kg		86	67 - 130
Endosulfan II	16.7	14.3		ug/Kg		86	69 - 130
Endosulfan sulfate	16.7	14.9		ug/Kg		89	69 - 130
Endrin	16.7	15.0		ug/Kg		90	69 - 130
Endrin aldehyde	16.7	13.5		ug/Kg		81	41 - 130
gamma-BHC (Lindane)	16.7	14.5		ug/Kg		87	66 - 130
Heptachlor epoxide	16.7	14.7		ug/Kg		88	70 - 130
Methoxychlor	16.7	15.5		ug/Kg		93	65 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Decachlorobiphenyl	*99*		*63 - 124*
Tetrachloro-m-xylene	*94*		*59 - 115*

Lab Sample ID: 280-99000-2 MS — **Client Sample ID: B3BLV7**
Matrix: Soil — **Prep Type: Total/NA**
Analysis Batch: 380696 — **Prep Batch: 380349**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.55	U	15.4	14.4		ug/Kg	☼	94	69 - 126
4,4'-DDE	0.24	U	15.4	13.9		ug/Kg	☼	90	71 - 116
4,4'-DDT	0.60	U	15.4	15.0		ug/Kg	☼	98	67 - 132
Aldrin	0.25	U	15.4	13.1		ug/Kg	☼	85	69 - 116
alpha-BHC	0.22	U	15.4	13.3		ug/Kg	☼	86	65 - 122
beta-BHC	0.67	U	15.4	13.8		ug/Kg	☼	90	62 - 121
delta-BHC	0.41	U	15.4	13.8		ug/Kg	☼	90	67 - 122
Dieldrin	0.21	U	15.4	14.5		ug/Kg	☼	94	71 - 120
Endosulfan I	0.18	U	15.4	13.5		ug/Kg	☼	88	67 - 115
Endosulfan II	0.29	U	15.4	13.5		ug/Kg	☼	87	69 - 120
Endosulfan sulfate	0.28	U	15.4	13.9		ug/Kg	☼	90	69 - 126
Endrin	0.31	U	15.4	14.4		ug/Kg	☼	94	69 - 129
Endrin aldehyde	0.17	U	15.4	12.5		ug/Kg	☼	81	41 - 128
gamma-BHC (Lindane)	0.47	U	15.4	13.7		ug/Kg	☼	89	66 - 120
Heptachlor epoxide	0.43	U	15.4	13.8		ug/Kg	☼	90	71 - 119
Methoxychlor	0.46	U	15.4	14.7		ug/Kg	☼	96	65 - 139

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Decachlorobiphenyl	*100*		*63 - 124*
Tetrachloro-m-xylene	*95*		*59 - 115*

Lab Sample ID: 280-99000-2 MSD — **Client Sample ID: B3BLV7**
Matrix: Soil — **Prep Type: Total/NA**
Analysis Batch: 380696 — **Prep Batch: 380349**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.55	U	16.4	15.2		ug/Kg	☼	93	69 - 126	5	30

QC Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 280-99000-2 MSD — **Client Sample ID: B3BLV7**
Matrix: Soil — **Prep Type: Total/NA**
Analysis Batch: 380696 — **Prep Batch: 380349**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDE	0.24	U	16.4	14.5		ug/Kg	☼	89	71 - 116	5	30
4,4'-DDT	0.60	U	16.4	16.1		ug/Kg	☼	99	67 - 132	7	30
Aldrin	0.25	U	16.4	13.7		ug/Kg	☼	84	69 - 116	4	50
alpha-BHC	0.22	U	16.4	13.9		ug/Kg	☼	85	65 - 122	4	30
beta-BHC	0.67	U	16.4	14.6		ug/Kg	☼	89	62 - 121	5	30
delta-BHC	0.41	U	16.4	14.5		ug/Kg	☼	89	67 - 122	5	30
Dieldrin	0.21	U	16.4	15.1		ug/Kg	☼	92	71 - 120	4	30
Endosulfan I	0.18	U	16.4	14.2		ug/Kg	☼	86	67 - 115	5	30
Endosulfan II	0.29	U	16.4	14.2		ug/Kg	☼	87	69 - 120	6	30
Endosulfan sulfate	0.28	U	16.4	14.7		ug/Kg	☼	90	69 - 126	5	30
Endrin	0.31	U	16.4	15.2		ug/Kg	☼	93	69 - 129	5	30
Endrin aldehyde	0.17	U	16.4	12.9		ug/Kg	☼	79	41 - 128	3	30
gamma-BHC (Lindane)	0.47	U	16.4	14.4		ug/Kg	☼	88	66 - 120	5	30
Heptachlor epoxide	0.43	U	16.4	14.5		ug/Kg	☼	89	71 - 119	5	30
Methoxychlor	0.46	U	16.4	15.3		ug/Kg	☼	93	65 - 139	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Decachlorobiphenyl	*95*		*63 - 124*
Tetrachloro-m-xylene	*89*		*59 - 115*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 280-380356/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 380717 — **Prep Batch: 380356**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel (C10-C28)	977	J	4000	670	ug/Kg		07/11/17 13:19	07/13/17 17:47	1
Kerosene (C8-C12)	990	U	4000	990	ug/Kg		07/11/17 13:19	07/13/17 17:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*101*		*49 - 140*	*07/11/17 13:19*	*07/13/17 17:47*	*1*

Lab Sample ID: LCS 280-380356/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 380717 — **Prep Batch: 380356**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel (C10-C28)			62100	56400		ug/Kg		91	53 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*107*		*49 - 140*

QC Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCS 280-380356/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 380717 — **Prep Batch: 380356**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Kerosene (C8-C12)			31300	24600		ug/Kg		79	56 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*99*		*49 - 140*

Lab Sample ID: 280-99000-3 MS — **Client Sample ID: B3BLV5**
Matrix: Soil — **Prep Type: Total/NA**
Analysis Batch: 380717 — **Prep Batch: 380356**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel (C10-C28)	3500	J B	66700	55100		ug/Kg	☼	77	56 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*90*		*49 - 140*

Lab Sample ID: 280-99000-3 MS — **Client Sample ID: B3BLV5**
Matrix: Soil — **Prep Type: Total/NA**
Analysis Batch: 380717 — **Prep Batch: 380356**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Kerosene (C8-C12)	3600	J	32600	26500		ug/Kg	☼	70	56 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*97*		*49 - 140*

Lab Sample ID: 280-99000-3 MSD — **Client Sample ID: B3BLV5**
Matrix: Soil — **Prep Type: Total/NA**
Analysis Batch: 380717 — **Prep Batch: 380356**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel (C10-C28)	3500	J B	61200	56000		ug/Kg	☼	86	56 - 130	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*101*		*49 - 140*

Lab Sample ID: 280-99000-3 MSD — **Client Sample ID: B3BLV5**
Matrix: Soil — **Prep Type: Total/NA**
Analysis Batch: 380717 — **Prep Batch: 380356**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Kerosene (C8-C12)	3600	J	33300	27200		ug/Kg	☼	71	56 - 130	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*98*		*49 - 140*

QC Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 280-380208/1-A
Matrix: Solid
Analysis Batch: 380509

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 380208

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	733	U	1500	733	ug/Kg		07/11/17 06:45	07/11/17 22:35	1
Arsenic	665	U	2000	665	ug/Kg		07/11/17 06:45	07/11/17 22:35	1
Barium	126.8	B	1000	104	ug/Kg		07/11/17 06:45	07/11/17 22:35	1
Beryllium	33.0	U	500	33.0	ug/Kg		07/11/17 06:45	07/11/17 22:35	1
Boron	980	U	10000	980	ug/Kg		07/11/17 06:45	07/11/17 22:35	1
Cadmium	41.0	U	500	41.0	ug/Kg		07/11/17 06:45	07/11/17 22:35	1
Chromium	58.0	U	1500	58.0	ug/Kg		07/11/17 06:45	07/11/17 22:35	1
Cobalt	100	U	1000	100	ug/Kg		07/11/17 06:45	07/11/17 22:35	1
Copper	217	U	2000	217	ug/Kg		07/11/17 06:45	07/11/17 22:35	1
Manganese	100	U	1000	100	ug/Kg		07/11/17 06:45	07/11/17 22:35	1
Molybdenum	260	U	2000	260	ug/Kg		07/11/17 06:45	07/11/17 22:35	1
Nickel	132	U	4000	132	ug/Kg		07/11/17 06:45	07/11/17 22:35	1
Selenium	860	U	1500	860	ug/Kg		07/11/17 06:45	07/11/17 22:35	1
Silver	160	U	1000	160	ug/Kg		07/11/17 06:45	07/11/17 22:35	1
Vanadium	94.0	U	2000	94.0	ug/Kg		07/11/17 06:45	07/11/17 22:35	1
Zinc	398	U	3000	398	ug/Kg		07/11/17 06:45	07/11/17 22:35	1

Lab Sample ID: MB 280-380208/1-A
Matrix: Solid
Analysis Batch: 380643

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 380208

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	310	U	900	310	ug/Kg		07/11/17 06:45	07/12/17 19:37	1

Lab Sample ID: LCS 280-380208/2-A
Matrix: Solid
Analysis Batch: 380509

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 380208

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50000	47840		ug/Kg		96	80 - 120
Arsenic	100000	97260		ug/Kg		97	80 - 120
Barium	200000	182500		ug/Kg		91	80 - 120
Beryllium	5000	4700		ug/Kg		94	80 - 120
Boron	100000	92280		ug/Kg		92	80 - 120
Cadmium	10000	9560		ug/Kg		96	80 - 120
Chromium	20000	19300		ug/Kg		97	80 - 120
Cobalt	50000	46190		ug/Kg		92	80 - 120
Copper	25000	23120		ug/Kg		92	80 - 120
Manganese	50000	48030		ug/Kg		96	80 - 120
Molybdenum	100000	93810		ug/Kg		94	80 - 120
Nickel	50000	46080		ug/Kg		92	80 - 120
Selenium	200000	189400		ug/Kg		95	80 - 120
Silver	5000	4903		ug/Kg		98	80 - 120
Vanadium	50000	47740		ug/Kg		95	80 - 120
Zinc	50000	47190		ug/Kg		94	80 - 120

QC Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 280-380208/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 380643 — **Prep Batch: 380208**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50000	47180		ug/Kg		94	80 - 120

Lab Sample ID: 280-99000-4 MS — **Client Sample ID: B3BLV9**
Matrix: Soil — **Prep Type: Total/NA**
Analysis Batch: 380509 — **Prep Batch: 380208**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	699	U N	41500	14710	N	ug/Kg	☼	35	75 - 125
Arsenic	4170		83000	77830		ug/Kg	☼	89	75 - 125
Barium	73400		166000	216300		ug/Kg	☼	86	75 - 125
Beryllium	422	B	4150	4137		ug/Kg	☼	90	75 - 125
Boron	1550	B	83000	73580		ug/Kg	☼	87	75 - 125
Cadmium	81.7	B	8300	7316		ug/Kg	☼	87	75 - 125
Chromium	10900		16600	24910		ug/Kg	☼	85	75 - 125
Cobalt	13400		41500	49140		ug/Kg	☼	86	75 - 125
Copper	16500		20700	34860		ug/Kg	☼	88	75 - 125
Manganese	396000		41500	436400	X	ug/Kg	☼	98	75 - 125
Molybdenum	248	U	83000	69790		ug/Kg	☼	84	75 - 125
Nickel	13900		41500	46360		ug/Kg	☼	78	75 - 125
Selenium	820	U	166000	143600		ug/Kg	☼	87	75 - 125
Silver	152	U	4150	3980		ug/Kg	☼	96	75 - 125
Vanadium	61500		41500	103200		ug/Kg	☼	101	75 - 125
Zinc	50000		41500	85470		ug/Kg	☼	86	75 - 125

Lab Sample ID: 280-99000-4 MS — **Client Sample ID: B3BLV9**
Matrix: Soil — **Prep Type: Total/NA**
Analysis Batch: 380643 — **Prep Batch: 380208**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	6440		41500	42250		ug/Kg	☼	86	75 - 125

Lab Sample ID: 280-99000-4 MSD — **Client Sample ID: B3BLV9**
Matrix: Soil — **Prep Type: Total/NA**
Analysis Batch: 380509 — **Prep Batch: 380208**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	699	U N	43700	16090	N	ug/Kg	☼	37	75 - 125	9	35
Arsenic	4170		87300	83710		ug/Kg	☼	91	75 - 125	7	35
Barium	73400		175000	225800		ug/Kg	☼	87	75 - 125	4	35
Beryllium	422	B	4370	4344		ug/Kg	☼	90	75 - 125	5	35
Boron	1550	B	87300	78500		ug/Kg	☼	88	75 - 125	6	35
Cadmium	81.7	B	8730	7772		ug/Kg	☼	88	75 - 125	6	35
Chromium	10900		17500	26110		ug/Kg	☼	87	75 - 125	5	35
Cobalt	13400		43700	51370		ug/Kg	☼	87	75 - 125	4	35
Copper	16500		21800	36890		ug/Kg	☼	93	75 - 125	6	35
Manganese	396000		43700	444700	X	ug/Kg	☼	112	75 - 125	2	35
Molybdenum	248	U	87300	74460		ug/Kg	☼	85	75 - 125	6	35
Nickel	13900		43700	49030		ug/Kg	☼	80	75 - 125	6	35
Selenium	820	U	175000	152900		ug/Kg	☼	88	75 - 125	6	35

QC Sample Results

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 280-99000-4 MSD — **Client Sample ID: B3BLV9**
Matrix: Soil — **Prep Type: Total/NA**
Analysis Batch: 380509 — **Prep Batch: 380208**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	152	U	4370	4267		ug/Kg	☼	98	75 - 125	7	35
Vanadium	61500		43700	108300		ug/Kg	☼	107	75 - 125	5	35
Zinc	50000		43700	88680		ug/Kg	☼	89	75 - 125	4	35

Lab Sample ID: 280-99000-4 MSD — **Client Sample ID: B3BLV9**
Matrix: Soil — **Prep Type: Total/NA**
Analysis Batch: 380643 — **Prep Batch: 380208**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	6440		43700	45000		ug/Kg	☼	88	75 - 125	6	35

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 280-380391/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 380511 — **Prep Batch: 380391**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	5.5	U	17.0	5.5	ug/Kg		07/11/17 12:13	07/11/17 16:51	1

Lab Sample ID: LCS 280-380391/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 380511 — **Prep Batch: 380391**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	333	338.3		ug/Kg		102	80 - 120

Lab Sample ID: 280-99000-4 MS — **Client Sample ID: B3BLV9**
Matrix: Soil — **Prep Type: Total/NA**
Analysis Batch: 380511 — **Prep Batch: 380391**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	6.0	U	375	386.8		ug/Kg	☼	103	75 - 125

Lab Sample ID: 280-99000-4 MSD — **Client Sample ID: B3BLV9**
Matrix: Soil — **Prep Type: Total/NA**
Analysis Batch: 380511 — **Prep Batch: 380391**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	6.0	U	368	388.5		ug/Kg	☼	105	75 - 125	0	35

QC Association Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

GC/MS Semi VOA

Prep Batch: 380236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99000-1	B3BLV1	Total/NA	Soil	3546	
280-99000-2	B3BLV7	Total/NA	Soil	3546	
280-99000-3	B3BLV5	Total/NA	Soil	3546	
280-99000-4	B3BLV9	Total/NA	Soil	3546	
280-99000-5 - DL	B3BLT9	Total/NA	Soil	3546	
280-99000-5	B3BLT9	Total/NA	Soil	3546	
280-99000-6	B3BLW5	Total/NA	Soil	3546	
280-99000-7	B3BLW9	Total/NA	Soil	3546	
280-99000-8	B3BLT7	Total/NA	Soil	3546	
280-99000-9	B3BLW7	Total/NA	Soil	3546	
280-99000-10	B3BLW3	Total/NA	Soil	3546	
280-99000-10 - DL	B3BLW3	Total/NA	Soil	3546	
280-99000-11	B3BLT5	Total/NA	Soil	3546	
280-99000-12	B3BLX1	Total/NA	Soil	3546	
280-99000-13	B3BLW1	Total/NA	Soil	3546	
280-99000-14	B3BLV3	Total/NA	Soil	3546	
MB 280-380236/1-A	Method Blank	Total/NA	Solid	3546	
LCS 280-380236/2-A	Lab Control Sample	Total/NA	Solid	3546	
280-99000-1 MS	B3BLV1	Total/NA	Soil	3546	
280-99000-1 MSD	B3BLV1	Total/NA	Soil	3546	

Analysis Batch: 380687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99000-1	B3BLV1	Total/NA	Soil	8270D SIM	380236
280-99000-2	B3BLV7	Total/NA	Soil	8270D SIM	380236
MB 280-380236/1-A	Method Blank	Total/NA	Solid	8270D SIM	380236
LCS 280-380236/2-A	Lab Control Sample	Total/NA	Solid	8270D SIM	380236
280-99000-1 MS	B3BLV1	Total/NA	Soil	8270D SIM	380236
280-99000-1 MSD	B3BLV1	Total/NA	Soil	8270D SIM	380236

Analysis Batch: 380688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99000-3	B3BLV5	Total/NA	Soil	8270D SIM	380236
280-99000-4	B3BLV9	Total/NA	Soil	8270D SIM	380236
280-99000-5	B3BLT9	Total/NA	Soil	8270D SIM	380236

Analysis Batch: 381011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99000-5 - DL	B3BLT9	Total/NA	Soil	8270D SIM	380236
280-99000-6	B3BLW5	Total/NA	Soil	8270D SIM	380236
280-99000-7	B3BLW9	Total/NA	Soil	8270D SIM	380236
280-99000-8	B3BLT7	Total/NA	Soil	8270D SIM	380236
280-99000-9	B3BLW7	Total/NA	Soil	8270D SIM	380236
280-99000-10	B3BLW3	Total/NA	Soil	8270D SIM	380236
280-99000-11	B3BLT5	Total/NA	Soil	8270D SIM	380236
280-99000-12	B3BLX1	Total/NA	Soil	8270D SIM	380236
280-99000-13	B3BLW1	Total/NA	Soil	8270D SIM	380236
280-99000-14	B3BLV3	Total/NA	Soil	8270D SIM	380236

QC Association Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

GC/MS Semi VOA (Continued)

Analysis Batch: 381113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99000-10 - DL	B3BLW3	Total/NA	Soil	8270D SIM	380236

GC Semi VOA

Prep Batch: 380349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99000-1	B3BLV1	Total/NA	Soil	3550C	
280-99000-2	B3BLV7	Total/NA	Soil	3550C	
280-99000-3	B3BLV5	Total/NA	Soil	3550C	
280-99000-4	B3BLV9	Total/NA	Soil	3550C	
280-99000-5	B3BLT9	Total/NA	Soil	3550C	
280-99000-6	B3BLW5	Total/NA	Soil	3550C	
280-99000-7	B3BLW9	Total/NA	Soil	3550C	
280-99000-8	B3BLT7	Total/NA	Soil	3550C	
280-99000-9	B3BLW7	Total/NA	Soil	3550C	
280-99000-10	B3BLW3	Total/NA	Soil	3550C	
280-99000-11	B3BLT5	Total/NA	Soil	3550C	
280-99000-12	B3BLX1	Total/NA	Soil	3550C	
280-99000-13	B3BLW1	Total/NA	Soil	3550C	
280-99000-14	B3BLV3	Total/NA	Soil	3550C	
MB 280-380349/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 280-380349/2-A	Lab Control Sample	Total/NA	Solid	3550C	
280-99000-2 MS	B3BLV7	Total/NA	Soil	3550C	
280-99000-2 MSD	B3BLV7	Total/NA	Soil	3550C	

Prep Batch: 380356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99000-1	B3BLV1	Total/NA	Soil	3550C	
280-99000-2	B3BLV7	Total/NA	Soil	3550C	
280-99000-3	B3BLV5	Total/NA	Soil	3550C	
280-99000-4	B3BLV9	Total/NA	Soil	3550C	
280-99000-5	B3BLT9	Total/NA	Soil	3550C	
280-99000-6	B3BLW5	Total/NA	Soil	3550C	
280-99000-7	B3BLW9	Total/NA	Soil	3550C	
280-99000-8	B3BLT7	Total/NA	Soil	3550C	
280-99000-9	B3BLW7	Total/NA	Soil	3550C	
280-99000-10	B3BLW3	Total/NA	Soil	3550C	
280-99000-11	B3BLT5	Total/NA	Soil	3550C	
280-99000-12	B3BLX1	Total/NA	Soil	3550C	
280-99000-13	B3BLW1	Total/NA	Soil	3550C	
280-99000-14	B3BLV3	Total/NA	Soil	3550C	
MB 280-380356/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 280-380356/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCS 280-380356/3-A	Lab Control Sample	Total/NA	Solid	3550C	
280-99000-3 MS	B3BLV5	Total/NA	Soil	3550C	
280-99000-3 MS	B3BLV5	Total/NA	Soil	3550C	
280-99000-3 MSD	B3BLV5	Total/NA	Soil	3550C	
280-99000-3 MSD	B3BLV5	Total/NA	Soil	3550C	

QC Association Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

GC Semi VOA (Continued)

Analysis Batch: 380696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99000-1	B3BLV1	Total/NA	Soil	8081B	380349
280-99000-2	B3BLV7	Total/NA	Soil	8081B	380349
280-99000-3	B3BLV5	Total/NA	Soil	8081B	380349
280-99000-4	B3BLV9	Total/NA	Soil	8081B	380349
280-99000-5	B3BLT9	Total/NA	Soil	8081B	380349
280-99000-6	B3BLW5	Total/NA	Soil	8081B	380349
280-99000-7	B3BLW9	Total/NA	Soil	8081B	380349
280-99000-8	B3BLT7	Total/NA	Soil	8081B	380349
280-99000-9	B3BLW7	Total/NA	Soil	8081B	380349
280-99000-10	B3BLW3	Total/NA	Soil	8081B	380349
280-99000-11	B3BLT5	Total/NA	Soil	8081B	380349
280-99000-12	B3BLX1	Total/NA	Soil	8081B	380349
280-99000-13	B3BLW1	Total/NA	Soil	8081B	380349
280-99000-14	B3BLV3	Total/NA	Soil	8081B	380349
MB 280-380349/1-A	Method Blank	Total/NA	Solid	8081B	380349
LCS 280-380349/2-A	Lab Control Sample	Total/NA	Solid	8081B	380349
280-99000-2 MS	B3BLV7	Total/NA	Soil	8081B	380349
280-99000-2 MSD	B3BLV7	Total/NA	Soil	8081B	380349

Analysis Batch: 380717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99000-1	B3BLV1	Total/NA	Soil	NWTPH-Dx	380356
280-99000-2	B3BLV7	Total/NA	Soil	NWTPH-Dx	380356
280-99000-3	B3BLV5	Total/NA	Soil	NWTPH-Dx	380356
280-99000-4	B3BLV9	Total/NA	Soil	NWTPH-Dx	380356
280-99000-5	B3BLT9	Total/NA	Soil	NWTPH-Dx	380356
280-99000-6	B3BLW5	Total/NA	Soil	NWTPH-Dx	380356
280-99000-7	B3BLW9	Total/NA	Soil	NWTPH-Dx	380356
280-99000-8	B3BLT7	Total/NA	Soil	NWTPH-Dx	380356
280-99000-9	B3BLW7	Total/NA	Soil	NWTPH-Dx	380356
280-99000-10	B3BLW3	Total/NA	Soil	NWTPH-Dx	380356
280-99000-11	B3BLT5	Total/NA	Soil	NWTPH-Dx	380356
280-99000-12	B3BLX1	Total/NA	Soil	NWTPH-Dx	380356
280-99000-13	B3BLW1	Total/NA	Soil	NWTPH-Dx	380356
280-99000-14	B3BLV3	Total/NA	Soil	NWTPH-Dx	380356
MB 280-380356/1-A	Method Blank	Total/NA	Solid	NWTPH-Dx	380356
LCS 280-380356/2-A	Lab Control Sample	Total/NA	Solid	NWTPH-Dx	380356
LCS 280-380356/3-A	Lab Control Sample	Total/NA	Solid	NWTPH-Dx	380356
280-99000-3 MS	B3BLV5	Total/NA	Soil	NWTPH-Dx	380356
280-99000-3 MS	B3BLV5	Total/NA	Soil	NWTPH-Dx	380356
280-99000-3 MSD	B3BLV5	Total/NA	Soil	NWTPH-Dx	380356
280-99000-3 MSD	B3BLV5	Total/NA	Soil	NWTPH-Dx	380356

Metals

Prep Batch: 380208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99000-1	B3BLV1	Total/NA	Soil	3050B	
280-99000-2	B3BLV7	Total/NA	Soil	3050B	
280-99000-3	B3BLV5	Total/NA	Soil	3050B	

QC Association Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Metals (Continued)

Prep Batch: 380208 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99000-4	B3BLV9	Total/NA	Soil	3050B	
280-99000-5	B3BLT9	Total/NA	Soil	3050B	
280-99000-6	B3BLW5	Total/NA	Soil	3050B	
280-99000-7	B3BLW9	Total/NA	Soil	3050B	
280-99000-8	B3BLT7	Total/NA	Soil	3050B	
280-99000-9	B3BLW7	Total/NA	Soil	3050B	
280-99000-10	B3BLW3	Total/NA	Soil	3050B	
280-99000-11	B3BLT5	Total/NA	Soil	3050B	
280-99000-12	B3BLX1	Total/NA	Soil	3050B	
280-99000-13	B3BLW1	Total/NA	Soil	3050B	
280-99000-14	B3BLV3	Total/NA	Soil	3050B	
MB 280-380208/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 280-380208/2-A	Lab Control Sample	Total/NA	Solid	3050B	
280-99000-4 MS	B3BLV9	Total/NA	Soil	3050B	
280-99000-4 MSD	B3BLV9	Total/NA	Soil	3050B	

Prep Batch: 380391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99000-1	B3BLV1	Total/NA	Soil	7471B	
280-99000-2	B3BLV7	Total/NA	Soil	7471B	
280-99000-3	B3BLV5	Total/NA	Soil	7471B	
280-99000-4	B3BLV9	Total/NA	Soil	7471B	
280-99000-5	B3BLT9	Total/NA	Soil	7471B	
280-99000-6	B3BLW5	Total/NA	Soil	7471B	
280-99000-7	B3BLW9	Total/NA	Soil	7471B	
280-99000-8	B3BLT7	Total/NA	Soil	7471B	
280-99000-9	B3BLW7	Total/NA	Soil	7471B	
280-99000-10	B3BLW3	Total/NA	Soil	7471B	
280-99000-11	B3BLT5	Total/NA	Soil	7471B	
280-99000-12	B3BLX1	Total/NA	Soil	7471B	
280-99000-13	B3BLW1	Total/NA	Soil	7471B	
280-99000-14	B3BLV3	Total/NA	Soil	7471B	
MB 280-380391/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 280-380391/2-A	Lab Control Sample	Total/NA	Solid	7471B	
280-99000-4 MS	B3BLV9	Total/NA	Soil	7471B	
280-99000-4 MSD	B3BLV9	Total/NA	Soil	7471B	

Analysis Batch: 380509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99000-1	B3BLV1	Total/NA	Soil	6010C	380208
280-99000-2	B3BLV7	Total/NA	Soil	6010C	380208
280-99000-3	B3BLV5	Total/NA	Soil	6010C	380208
280-99000-4	B3BLV9	Total/NA	Soil	6010C	380208
280-99000-5	B3BLT9	Total/NA	Soil	6010C	380208
280-99000-6	B3BLW5	Total/NA	Soil	6010C	380208
280-99000-7	B3BLW9	Total/NA	Soil	6010C	380208
280-99000-8	B3BLT7	Total/NA	Soil	6010C	380208
280-99000-9	B3BLW7	Total/NA	Soil	6010C	380208
280-99000-10	B3BLW3	Total/NA	Soil	6010C	380208
280-99000-11	B3BLT5	Total/NA	Soil	6010C	380208
280-99000-12	B3BLX1	Total/NA	Soil	6010C	380208

QC Association Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Metals (Continued)

Analysis Batch: 380509 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99000-13	B3BLW1	Total/NA	Soil	6010C	380208
280-99000-14	B3BLV3	Total/NA	Soil	6010C	380208
MB 280-380208/1-A	Method Blank	Total/NA	Solid	6010C	380208
LCS 280-380208/2-A	Lab Control Sample	Total/NA	Solid	6010C	380208
280-99000-4 MS	B3BLV9	Total/NA	Soil	6010C	380208
280-99000-4 MSD	B3BLV9	Total/NA	Soil	6010C	380208

Analysis Batch: 380511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99000-1	B3BLV1	Total/NA	Soil	7471B	380391
280-99000-2	B3BLV7	Total/NA	Soil	7471B	380391
280-99000-3	B3BLV5	Total/NA	Soil	7471B	380391
280-99000-4	B3BLV9	Total/NA	Soil	7471B	380391
280-99000-5	B3BLT9	Total/NA	Soil	7471B	380391
280-99000-6	B3BLW5	Total/NA	Soil	7471B	380391
280-99000-7	B3BLW9	Total/NA	Soil	7471B	380391
280-99000-8	B3BLT7	Total/NA	Soil	7471B	380391
280-99000-9	B3BLW7	Total/NA	Soil	7471B	380391
280-99000-10	B3BLW3	Total/NA	Soil	7471B	380391
280-99000-11	B3BLT5	Total/NA	Soil	7471B	380391
280-99000-12	B3BLX1	Total/NA	Soil	7471B	380391
280-99000-13	B3BLW1	Total/NA	Soil	7471B	380391
280-99000-14	B3BLV3	Total/NA	Soil	7471B	380391
MB 280-380391/1-A	Method Blank	Total/NA	Solid	7471B	380391
LCS 280-380391/2-A	Lab Control Sample	Total/NA	Solid	7471B	380391
280-99000-4 MS	B3BLV9	Total/NA	Soil	7471B	380391
280-99000-4 MSD	B3BLV9	Total/NA	Soil	7471B	380391

Analysis Batch: 380643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99000-1	B3BLV1	Total/NA	Soil	6010C	380208
280-99000-2	B3BLV7	Total/NA	Soil	6010C	380208
280-99000-3	B3BLV5	Total/NA	Soil	6010C	380208
280-99000-4	B3BLV9	Total/NA	Soil	6010C	380208
280-99000-5	B3BLT9	Total/NA	Soil	6010C	380208
280-99000-6	B3BLW5	Total/NA	Soil	6010C	380208
280-99000-7	B3BLW9	Total/NA	Soil	6010C	380208
280-99000-8	B3BLT7	Total/NA	Soil	6010C	380208
280-99000-9	B3BLW7	Total/NA	Soil	6010C	380208
280-99000-10	B3BLW3	Total/NA	Soil	6010C	380208
280-99000-11	B3BLT5	Total/NA	Soil	6010C	380208
280-99000-12	B3BLX1	Total/NA	Soil	6010C	380208
280-99000-13	B3BLW1	Total/NA	Soil	6010C	380208
280-99000-14	B3BLV3	Total/NA	Soil	6010C	380208
MB 280-380208/1-A	Method Blank	Total/NA	Solid	6010C	380208
LCS 280-380208/2-A	Lab Control Sample	Total/NA	Solid	6010C	380208
280-99000-4 MS	B3BLV9	Total/NA	Soil	6010C	380208
280-99000-4 MSD	B3BLV9	Total/NA	Soil	6010C	380208

QC Association Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

General Chemistry

Analysis Batch: 380159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99000-1	B3BLV1	Total/NA	Soil	D 2216	
280-99000-2	B3BLV7	Total/NA	Soil	D 2216	
280-99000-3	B3BLV5	Total/NA	Soil	D 2216	
280-99000-4	B3BLV9	Total/NA	Soil	D 2216	
280-99000-5	B3BLT9	Total/NA	Soil	D 2216	
280-99000-6	B3BLW5	Total/NA	Soil	D 2216	
280-99000-7	B3BLW9	Total/NA	Soil	D 2216	
280-99000-8	B3BLT7	Total/NA	Soil	D 2216	
280-99000-9	B3BLW7	Total/NA	Soil	D 2216	
280-99000-10	B3BLW3	Total/NA	Soil	D 2216	
280-99000-11	B3BLT5	Total/NA	Soil	D 2216	
280-99000-12	B3BLX1	Total/NA	Soil	D 2216	
280-99000-13	B3BLW1	Total/NA	Soil	D 2216	
280-99000-14	B3BLV3	Total/NA	Soil	D 2216	
280-99000-1 DU	B3BLV1	Total/NA	Soil	D 2216	

Surrogate Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Soil **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPH
Lab Sample ID	Client Sample ID	(39-120)	(42-120)	(35-124)
280-99000-1	B3BLV1	68	56	79
280-99000-1 MS	B3BLV1	63	52	69
280-99000-1 MSD	B3BLV1	64	54	69
280-99000-2	B3BLV7	70	57	72
280-99000-3	B3BLV5	82	88	76
280-99000-4	B3BLV9	70	67	59
280-99000-5	B3BLT9	67	63	62
280-99000-5 - DL	B3BLT9	57	54	71
280-99000-6	B3BLW5	59	64	70
280-99000-7	B3BLW9	56	59	68
280-99000-8	B3BLT7	58	62	68
280-99000-9	B3BLW7	83	89	95
280-99000-10	B3BLW3	66	67	91
280-99000-10 - DL	B3BLW3	0 D X	0 D X	0 D X
280-99000-11	B3BLT5	50	52	63
280-99000-12	B3BLX1	67	70	77
280-99000-13	B3BLW1	57	61	71
280-99000-14	B3BLV3	63	66	84

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPH = Terphenyl-d14

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPH
Lab Sample ID	Client Sample ID	(39-120)	(42-120)	(35-124)
LCS 280-380236/2-A	Lab Control Sample	74	59	72
MB 280-380236/1-A	Method Blank	79	66	77

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPH = Terphenyl-d14

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Soil **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(63-124)	(59-115)
280-99000-1	B3BLV1	99	95
280-99000-2	B3BLV7	93	91
280-99000-2 MS	B3BLV7	100	95
280-99000-2 MSD	B3BLV7	95	89
280-99000-3	B3BLV5	94	92
280-99000-4	B3BLV9	91	90

Surrogate Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Soil **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCB1 (63-124)	TCX1 (59-115)
280-99000-5	B3BLT9	90	92
280-99000-6	B3BLW5	101	90
280-99000-7	B3BLW9	91	88
280-99000-8	B3BLT7	95	94
280-99000-9	B3BLW7	90	85
280-99000-10	B3BLW3	97	89
280-99000-11	B3BLT5	194 X	92
280-99000-12	B3BLX1	89	94
280-99000-13	B3BLW1	89	87
280-99000-14	B3BLV3	93	94

Surrogate Legend

DCB = Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCB1 (63-124)	TCX1 (59-115)
LCS 280-380349/2-A	Lab Control Sample	99	94
MB 280-380349/1-A	Method Blank	96	92

Surrogate Legend

DCB = Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Matrix: Soil **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTPH (49-140)
280-99000-1	B3BLV1	103
280-99000-2	B3BLV7	104
280-99000-3	B3BLV5	101
280-99000-3 MS	B3BLV5	90
280-99000-3 MS	B3BLV5	97
280-99000-3 MSD	B3BLV5	101
280-99000-3 MSD	B3BLV5	98
280-99000-4	B3BLV9	97
280-99000-5	B3BLT9	103
280-99000-6	B3BLW5	102
280-99000-7	B3BLW9	108
280-99000-8	B3BLT7	100
280-99000-9	B3BLW7	104
280-99000-10	B3BLW3	103
280-99000-11	B3BLT5	100
280-99000-12	B3BLX1	98

Surrogate Summary

Client: CH2M Hill Plateau Remediation Company
Project/Site: F17-049

TestAmerica Job ID: 280-99000-1
SDG: DN0174

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Matrix: Soil **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**OTPH (49-140)**							
280-99000-13	B3BLW1	101							
280-99000-14	B3BLV3	106							

Surrogate Legend

OTPH = o-Terphenyl

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**OTPH (49-140)**							
LCS 280-380356/2-A	Lab Control Sample	107							
LCS 280-380356/3-A	Lab Control Sample	99							
MB 280-380356/1-A	Method Blank	101							

Surrogate Legend

OTPH = o-Terphenyl